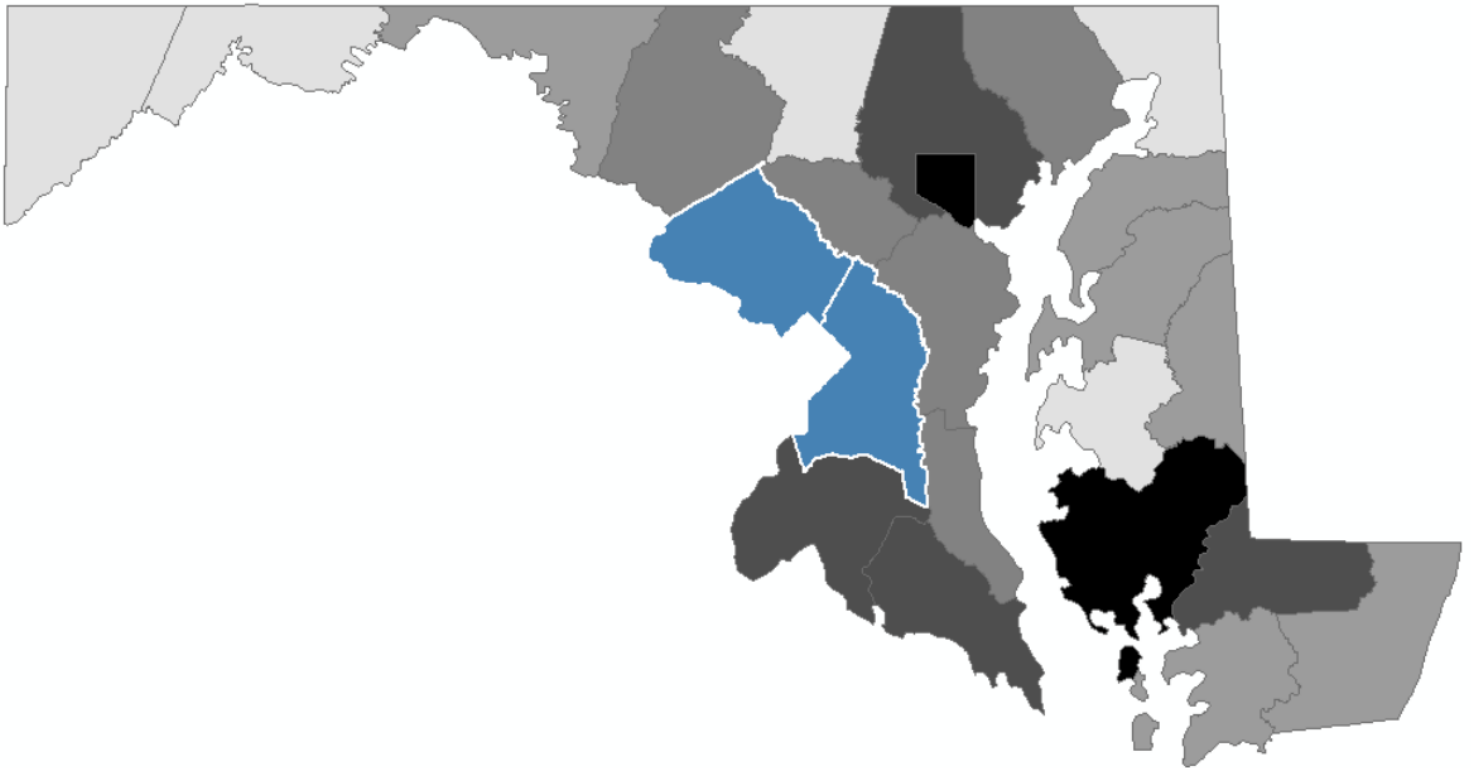


2016



Suburban Region HIV Annual Epidemiological Profile

Data reported through June 30, 2017

Center for HIV Surveillance, Epidemiology and Evaluation
Infectious Disease Prevention and Health Services Bureau
Prevention and Health Promotion Administration
Maryland Department of Health
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Section I – Background Information

HIV/AIDS Reporting Requirements

The Maryland HIV/AIDS Reporting Act of 2007 went into effect on April 24, 2007. The law expanded HIV/AIDS reporting and required that HIV cases be reported by name. The following highlights the reporting requirements of Health-General Articles 18-201.1, 18-202.1, and 18-205 of the Annotated Code of Maryland, as specified in the Code of Maryland Regulations (COMAR) 10.18.02.

- Physicians are required to report patients in their care with diagnoses of HIV or AIDS immediately to the Local Health Department where the physician's office is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Physicians are required to report infants born to HIV positive mothers within 48 hours to the Maryland Department of Health by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone.
- Clinical and infection control practitioners in hospitals, nursing homes, hospice facilities, medical clinics in correctional facilities, inpatient psychiatric facilities, and inpatient drug rehabilitation facilities are required to report patients in the care of the institution with diagnoses of HIV or AIDS within 48 hours to the Local Health Department where the institution is located by mailing the Maryland Confidential Morbidity Report (DHMH 1140). Reports are also accepted by phone. Facilities with large volumes are encouraged to contact the Maryland Department of Health to establish electronic reporting.
- Laboratory directors are required to report patients with laboratory results indicating HIV infection (e.g., positive confirmatory HIV diagnostic tests, all CD4 immunological tests, all HIV viral load tests, and all HIV genotype and phenotype tests) within 48 hours to the Local Health Department where the laboratory is located, or if out of state to the Maryland Department of Health, by mailing the State of Maryland HIV/CD4 Laboratory Reporting Form (DHMH 4492). Laboratories are encouraged to contact the Maryland Department of Health to establish electronic reporting.

Reporting forms and instructions, including mailing addresses and phones numbers, are available on our website: <https://phpa.health.maryland.gov/OIDEOR/CHSE/Pages/reporting-material.aspx>

For Assistance with HIV/AIDS Reporting

For assistance with reporting, including establishment of routine, electronic, or other alternate methods of reporting to the Maryland Department of Health, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

Limitations in the HIV/AIDS Data

This epidemiological profile only contains data for HIV and AIDS cases that have been diagnosed by a health care provider, were reported to the health department by name, and were residents of Maryland at the time of diagnosis or are current residents of Maryland as of 12/31/2016. Nationally, it has been estimated that 15.0% of people living with HIV infection are undiagnosed. In Maryland, it has been estimated that 15.3% of people living with HIV infection are undiagnosed. In addition, despite a massive effort during which over 17,000 HIV cases were reported after the Maryland HIV reporting law changed on April 24, 2007, not all diagnosed HIV cases previously reported by Maryland's code-based identifier were located and re-reported by name. Many of the re-reported HIV cases were identified by a recent diagnosis and not by their earliest diagnosis, resulting in an under-reporting of HIV diagnoses before 2001 and an over-reporting of HIV diagnoses from 2001 to 2008. Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of case report data. Case report data are only available for cases receiving medical care, often only at facilities in Maryland, and only includes information that has been reported to the health department. Linkage to care data is based solely on laboratory data reported to the health department.

This epidemiological profile provides estimates of living Maryland diagnosed cases by current residence as of 12/31/2016. Residence at diagnosis is used exclusively to describe new HIV and AIDS diagnoses. Current residence data are restricted to cases for which there is a case report form or laboratory test reported between 1/1/2009 and 6/30/2017. Restricting address data to recent years presents the most accurate data available and helps to account for cases that may have moved out of state whose data would no longer be reported in Maryland. However, current residence data excludes cases that may still be residents of Maryland but have not received any HIV care during the most recent eight and a half years. In addition, residence is dynamic and cases may have resided at multiple addresses that cannot all be represented in single time point estimates.

For additional information regarding current residence, please contact the Center for HIV Surveillance, Epidemiology and Evaluation in the Maryland Department of Health at 410-767-5227.

Stages of a Case of HIV/AIDS

Untreated HIV disease progresses from HIV infection to AIDS to death. These are biological events that occur whether or not a person receives any medical care. For example, a person can be HIV infected but never have an HIV test and so they do not have an HIV diagnosis. A medical provider diagnoses that these biological events have occurred and records them as a medical event. The law requires medical providers to report these medical events to the Health Department, thereby creating a surveillance event.

Time Point	Biological Event	Medical Event	Surveillance Event
1	HIV Infection		
2		HIV Diagnosis	
3			HIV Report
4	AIDS Conditions		
5		AIDS Diagnosis	
6			AIDS Report
7	Death		
8		Death Diagnosis	
9			Death Report

A case of HIV/AIDS can only move through time in one direction, from HIV infection to death report [from time point 1 to time point 9], but may skip over individual stages. Events can occur simultaneously, but usually there is a time lag between them. The time lag between events can be measured in days, months, and years.

For example, the time between HIV infection [time point 1] and the test that diagnoses HIV [time point 2] may be several years, and it may then take several days for the laboratory and physician to report the diagnosis to the health department [time point 3]. In a second example, a person with diagnosed and reported HIV infection [time point 3] may die [time point 7] without developing AIDS, thereby skipping the three AIDS events (conditions, diagnosis, and report [time points 4, 5 and 6]). And in a third example, a person with undiagnosed HIV infection [time point 1] may become sick, enter the hospital, and die [time point 7] of what is later determined to be AIDS. In that situation, HIV diagnosis [time point 2], AIDS diagnosis [time point 5], and death diagnosis [time point 8] would all occur at the same time, and that would probably be many years after the initial HIV infection [time point 1].

Changes in Case Terminology

The terminology for HIV and AIDS cases was changed from earlier epidemiological profiles to be more precise, with Reported Diagnoses replacing Incidence and Living Cases replacing Prevalence. Incidence is a measure of the number of new events (such as HIV infections) in a population during a period of time. Prevalence is a measure of the number of people living with a condition (such as HIV) in a population at a certain time. Prevalence includes both newly and previously diagnosed cases as well as undiagnosed infections. For HIV, Incidence and Prevalence cannot be directly measured and must be estimated using statistical methods. The HIV surveillance system is able to provide the actual number of diagnoses and deaths that are reported in the population.

For this epidemiological profile, the reports received through a certain time (six months after December 31st of the specified year) are used to generate the number of diagnoses during the prior years. This lag time allows for delays in reporting and time to complete investigations. Instead of the previous one-year lag, this epidemiological profile utilizes a six-month lag, and as a result, data on exposure category and deaths for the prior year are preliminary. For example, the Reported HIV Diagnoses for 2016 are the total of the reported HIV cases with or without an AIDS diagnosis, diagnosed with HIV during 1/1/2016-12/31/2016, as reported by name through 6/30/2017.

To calculate the number of Living Cases we count up all of the Reported Diagnoses from the beginning of the epidemic (all the new cases each year) and subtract all of the Reported Deaths. For example, the Total Living HIV Cases on 6/30/2017 are the total of the reported HIV Cases with or without an AIDS diagnosis and not reported to have died as of 12/31/2016 as reported by name through 6/30/2017.

Laboratory Data

CD4+ T-lymphocyte tests are measures of a person's immune system function. An HIV infected adult is considered to have AIDS if they have less than 200 CD4+ cells per microliter of blood or if the percent of T-Lymphocyte cells that are CD4+ cells is less than 14%. Viral load (VL) tests are measures of the amount of HIV in a person's body. The goal of HIV treatment is to have a very low number of copies of virus per milliliter of blood, below what the test can measure, which is called an undetectable level. Low levels of VL, such as less than 200 copies per milliliter of blood, are known as viral suppression. Treatment recommendations are that a person in HIV medical care should have their CD4 and VL levels measured regularly, at least once per year. We use the presence of these lab tests as an indicator that someone has been "linked to care" after diagnosis or is "retained in care."

Sources of Data

Information on HIV and AIDS diagnoses, including residence at diagnosis, age, race/ethnicity, sex at birth, current gender, country of birth, vital status, HIV exposure category, and CD4 and HIV viral load test results are from the Maryland Department of Health's Enhanced HIV/AIDS Reporting System (eHARS), June 30, 2017.

Population data by sex, age, and race/ethnicity are from the July 1, 2016 U.S. Census Estimates. Population data by country-of-birth are from the Census Bureau's 2015 American Community Survey. This produces a difference in total population due to the different source. Due to estimation limitations, some population totals may not equal the sum of its components. When needed, age groups were divided by assuming uniform age distribution within the age group. Non-Hispanic multiple race and Non-Hispanic some other race from the Census were combined into one group.

Estimations of those undiagnosed are from Centers for Disease Control and Prevention's 2015 HIV Surveillance Supplemental Report published July 2017. The continuum of care is adapted from a 2011 article in Clinical Infectious Diseases in which a continuum of care "cascade" is used to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Tabulation of Column Totals

Numbers in figures, tables and generally in the text have been rounded. Discrepancies in tables between totals and sums of components are due to rounding.

Data Suppression

In order to protect the confidentiality of reported HIV cases, data are suppressed in the following instances:

- Data describing a demographic group or geographic area (e.g. ZIP code) with a population less than 1,000 people.
- All clinical/laboratory information if it is describing less than 5 cases.
- All exposure/risk information if it is describing less than 5 cases, except in the case of "other" exposure.
- If any cell is suppressed, additional cells are also suppressed as necessary to prevent back calculation of the suppressed cell(s).

HIV Exposure Categories

The Centers for Disease Control and Prevention (CDC) developed a hierarchy of exposure categories for surveillance purposes. Persons with more than one reported risk factor are classified in the exposure category listed first in the hierarchy and therefore counted only once. Men who have sex with men and report injection drug use constitutes a separate transmission category.

MSM/IDU: Men who report a history of sexual contact with other men who also have engaged in injection drug use.

Men who have Sex with Men (MSM): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Injection Drug Use (IDU): Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

Heterosexual Exposure (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Perinatal Exposure: Any baby born to an HIV positive mother.

Other Exposure: Includes men or women who received clotting factor for hemophilia/coagulation disorder, or received a transfusion of blood/blood components, or received a transplant of tissue/organs or artificial insemination, or worked in a health care or clinical laboratory setting.

Not all exposure data is reported and is therefore missing for some cases. Multiple imputation is a statistical method by which missing exposure categories are replaced with estimated or probable exposure categories. Multiple imputation involves filling in the missing exposure category with multiple possible exposures, creating several complete datasets. Filling in the missing exposure category is done using the observed data for the individual case as well as data in aggregate from other cases in Maryland. The complete datasets, containing the various predictions for each missing exposure category, are combined to create a final dataset with previously missing exposure category replaced by weighted estimates.

MDH Non-Discrimination Statement

The Maryland Department of Health (MDH) complies with applicable Federal civil right laws and does not discriminate on the basis of race, color, national origin, age, disability in its health programs and activities.

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Help is available in your language: 410-767-5227 (TTY: 1-800-735-2258). These services are available for free.

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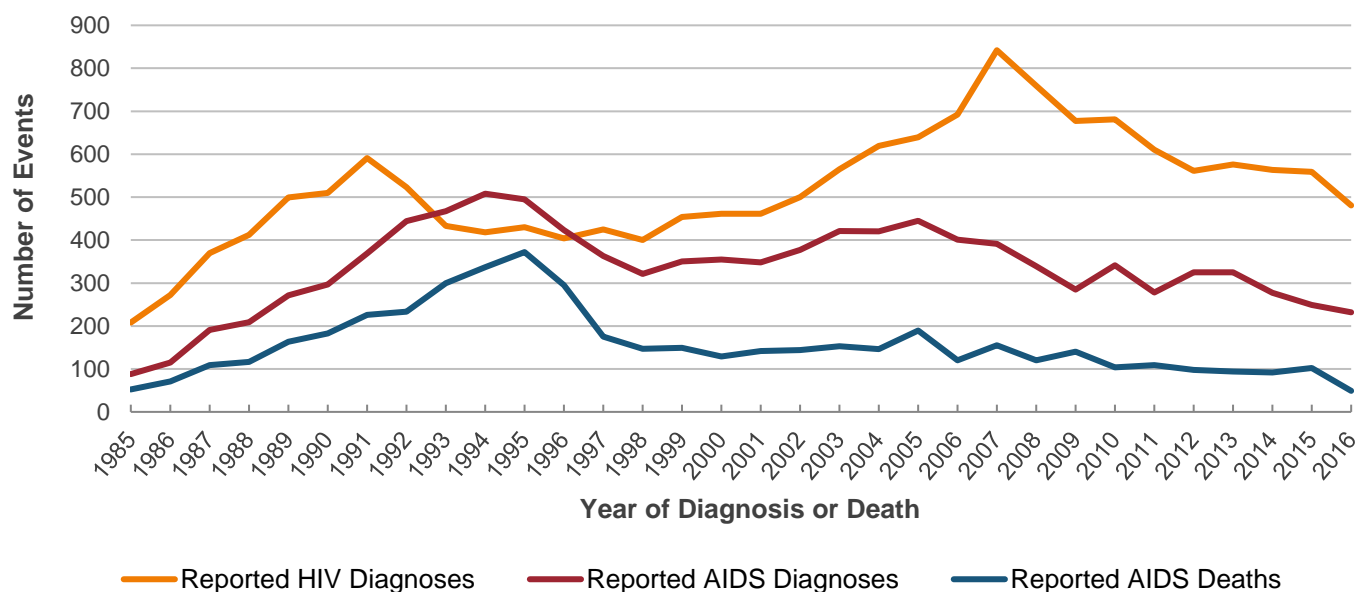
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Section II – Trends 1985-2016

Figure 1 – Trends in Reported HIV and AIDS Diagnoses and Deaths, 1985-2016, Reported through 6/30/2017

Reported HIV Cases with or without an AIDS Diagnosis (Reported HIV Diagnoses) by Year of HIV Diagnosis, Reported HIV Cases with an AIDS Diagnosis (Reported AIDS Diagnoses) by Year of AIDS Diagnosis, and Reported HIV Cases with an AIDS Diagnosis Reported to have Died of Any Cause (Reported AIDS Deaths) by Year of Death, from 1985 through 2016 as Reported through 6/30/2017



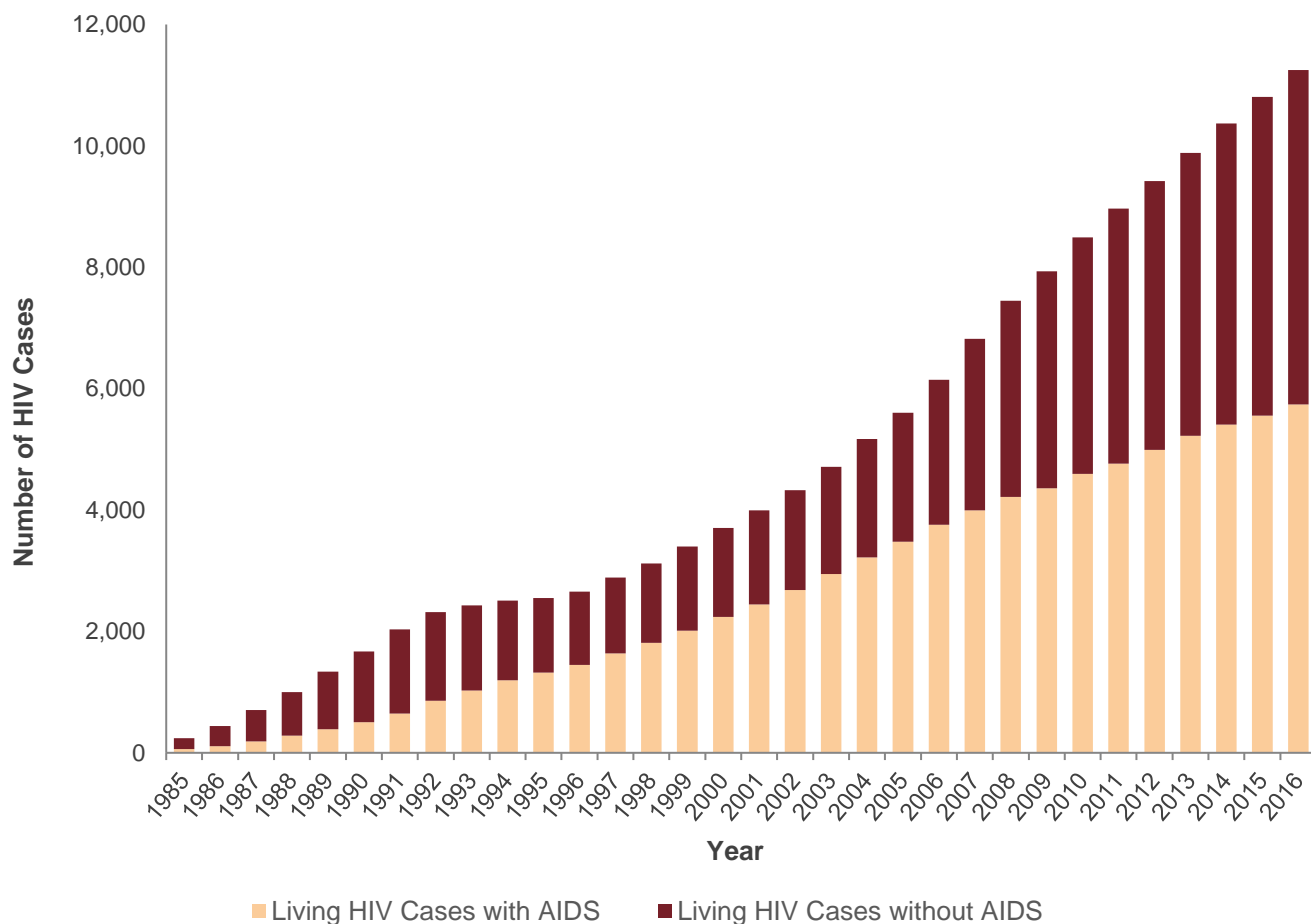
during the 2007-2008 transition to name-based reporting, many HIV cases were reported by a recent HIV diagnosis and not by their earliest HIV diagnosis, resulting in an artificial upward trend in HIV diagnoses during the period 2001-2008.

YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS	YEAR OF DIAGNOSIS OR DEATH	REPORTED HIV DIAGNOSES	REPORTED AIDS DIAGNOSES	REPORTED AIDS DEATHS
<1985	103	55	27	2001	461	348	142
1985	208	88	52	2002	500	377	144
1986	272	115	71	2003	565	421	153
1987	370	191	109	2004	619	420	146
1988	412	209	116	2005	639	445	189
1989	499	271	163	2006	692	401	120
1990	510	297	183	2007	842	391	155
1991	591	369	226	2008	759	339	120
1992	523	444	233	2009	677	285	140
1993	433	467	300	2010	681	341	104
1994	418	508	337	2011	610	278	109
1995	430	495	372	2012	561	325	98
1996	404	423	295	2013	576	325	94
1997	425	363	175	2014	563	277	92
1998	400	321	147	2015*	559	249	102
1999	454	350	149	2016*	481	232	49
2000	461	355	129	TOTAL	16,698	10,775	5,041

*2015-2016 reported AIDS deaths are preliminary.

Figure 2 – Trends in Living HIV Cases, 1985-2016, Reported through 6/30/2017

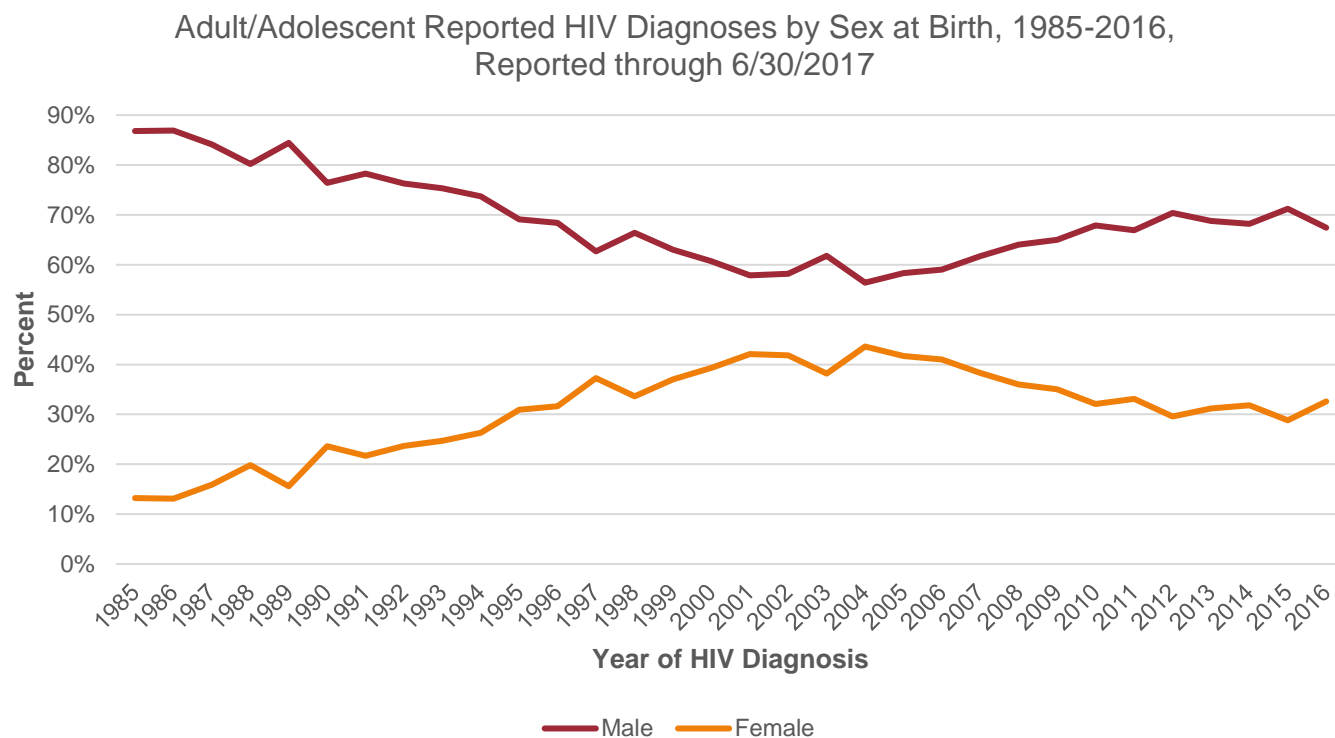
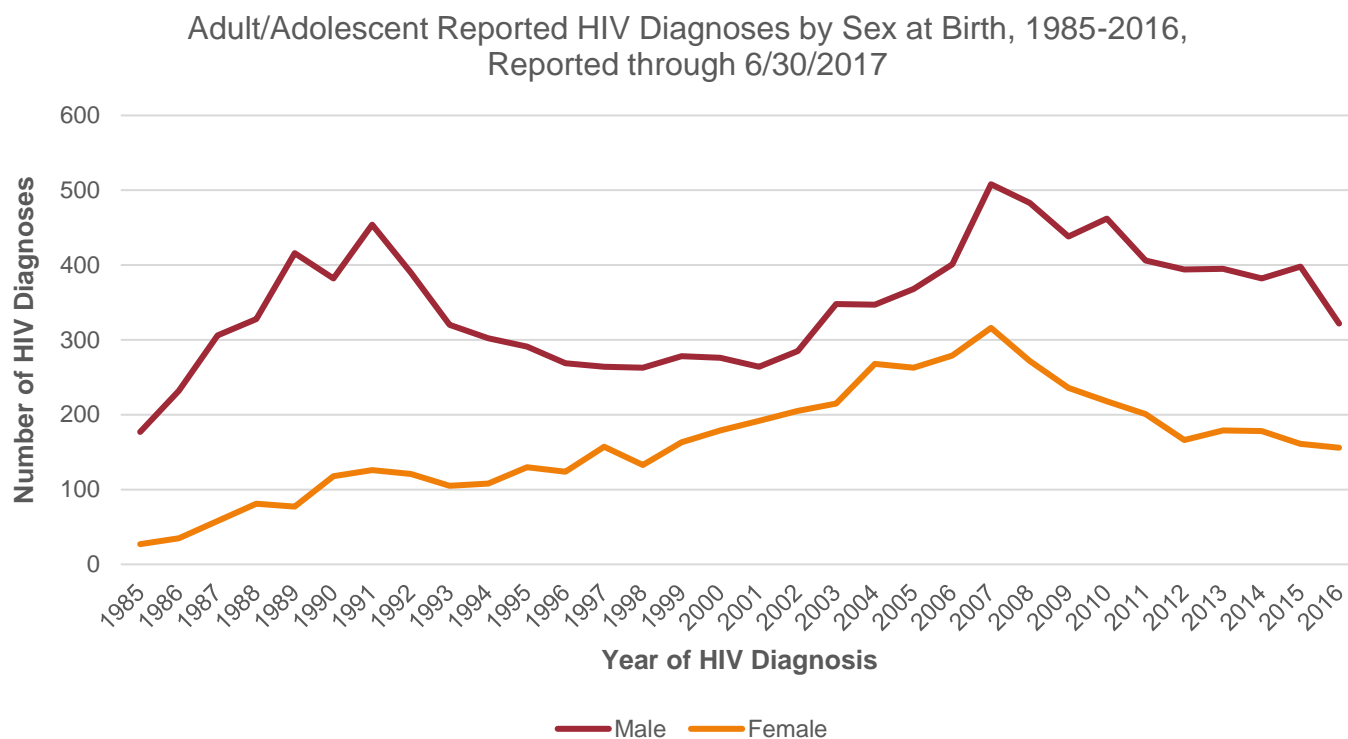
Reported HIV Cases with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Living HIV Cases without AIDS, Living HIV Cases with AIDS, and Total Living HIV Cases) from 1985 through 2016, as Reported through 6/30/2017



YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES	YEAR	LIVING HIV CASES WITHOUT AIDS	LIVING HIV CASES WITH AIDS	TOTAL LIVING HIV CASES
1985	177	63	240	2001	1,549	2,447	3,996
1986	335	107	442	2002	1,645	2,680	4,325
1987	515	189	704	2003	1,765	2,948	4,713
1988	719	282	1,001	2004	1,950	3,222	5,172
1989	949	390	1,339	2005	2,123	3,478	5,601
1990	1,165	504	1,669	2006	2,388	3,759	6,147
1991	1,388	647	2,035	2007	2,827	3,995	6,822
1992	1,461	858	2,319	2008	3,233	4,214	7,447
1993	1,402	1,025	2,427	2009	3,576	4,359	7,935
1994	1,313	1,197	2,510	2010	3,894	4,596	8,490
1995	1,229	1,322	2,551	2011	4,203	4,765	8,968
1996	1,204	1,451	2,655	2012	4,428	4,992	9,420
1997	1,249	1,639	2,888	2013	4,662	5,223	9,885
1998	1,308	1,813	3,121	2014	4,963	5,408	10,371
1999	1,384	2,014	3,398	2015	5,250	5,555	10,805
2000	1,466	2,240	3,706	2016	5,510	5,738	11,248

Figure 3 – Trends in Adult/Adolescent Reported HIV Diagnoses by Sex at Birth, 1985-2016, Reported through 6/30/2017

Number and Percent by Sex at Birth of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017

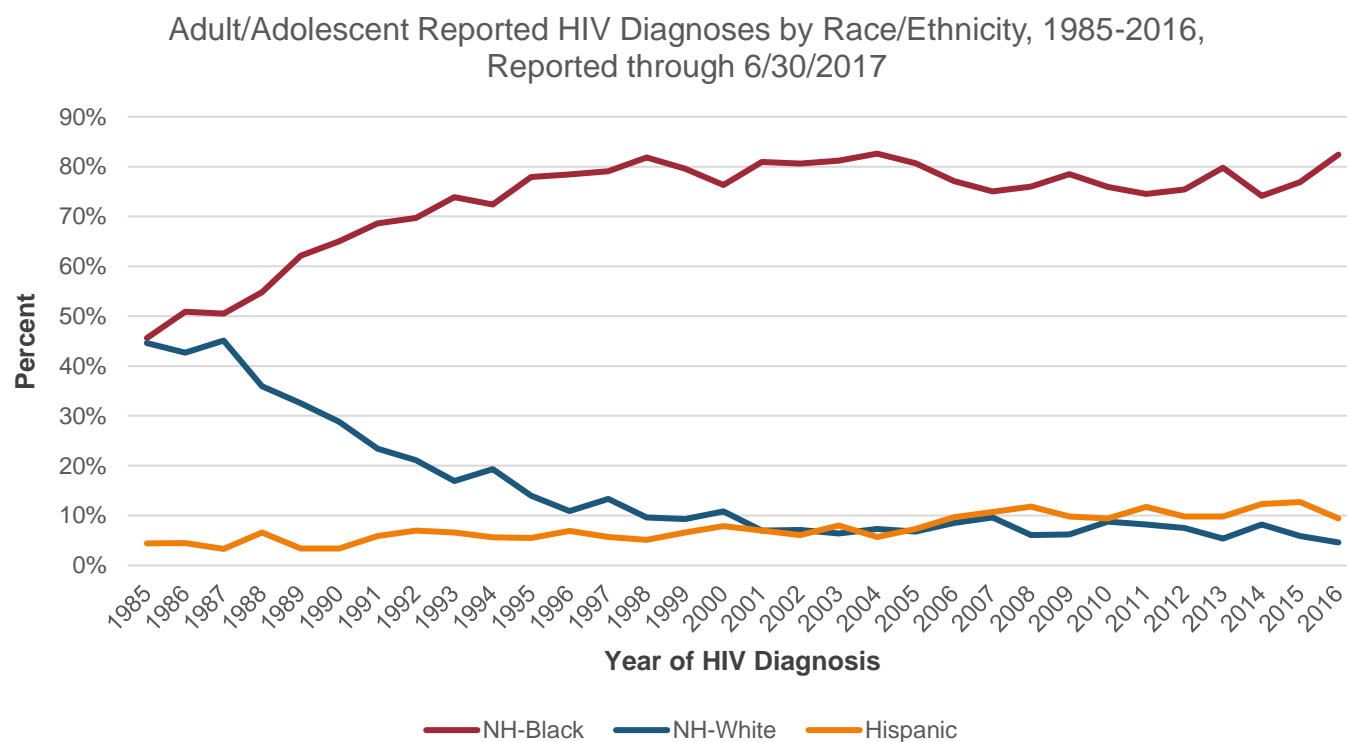
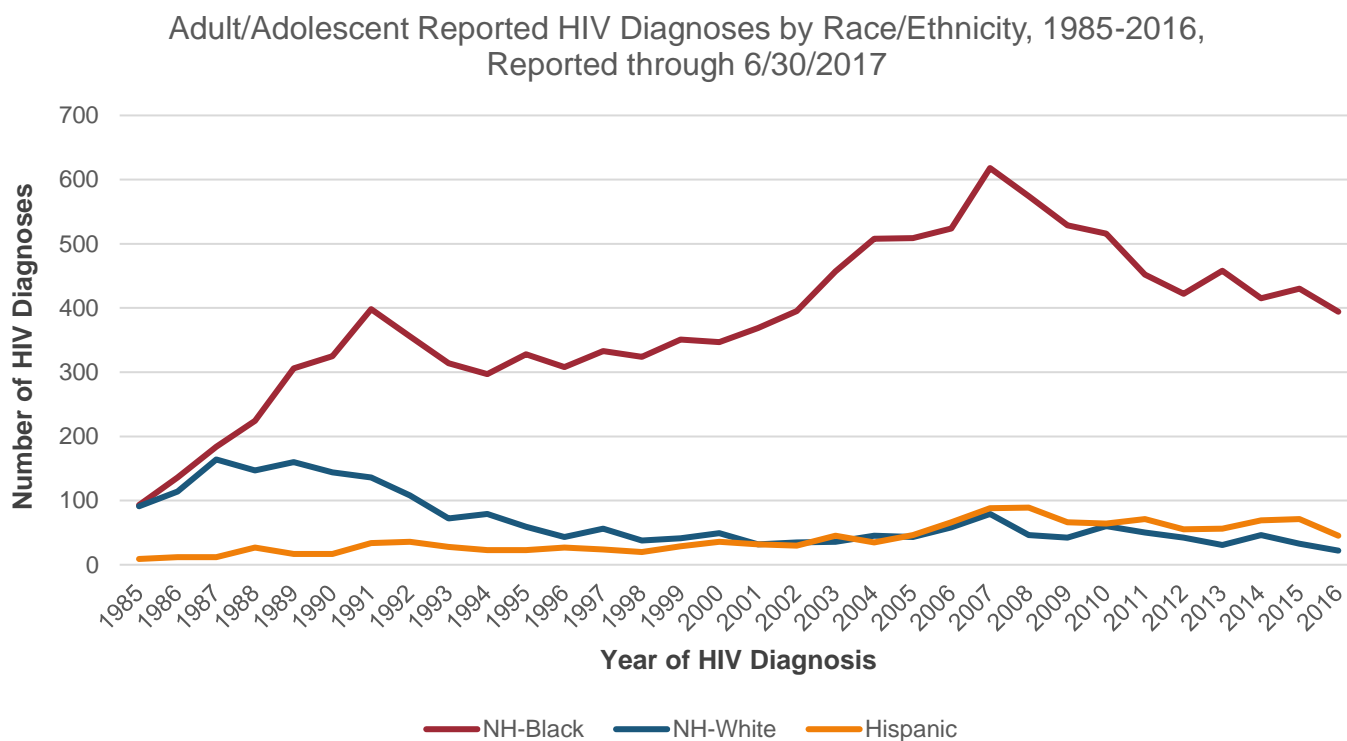


ADULT/ADOLESCENT REPORTED HIV DIAGNOSES

YEAR OF HIV DIAGNOSIS	No.	SEX AT BIRTH			
		Male		Female	
		No.	%	No.	%
<1985	102	91	89.2%	11	10.8%
1985	204	177	86.8%	27	13.2%
1986	267	232	86.9%	35	13.1%
1987	364	306	84.1%	58	15.9%
1988	409	328	80.2%	81	19.8%
1989	493	416	84.4%	77	15.6%
1990	500	382	76.4%	118	23.6%
1991	580	454	78.3%	126	21.7%
1992	511	390	76.3%	121	23.7%
1993	425	320	75.3%	105	24.7%
1994	410	302	73.7%	108	26.3%
1995	421	291	69.1%	130	30.9%
1996	393	269	68.4%	124	31.6%
1997	421	264	62.7%	157	37.3%
1998	396	263	66.4%	133	33.6%
1999	441	278	63.0%	163	37.0%
2000	455	276	60.7%	179	39.3%
2001	456	264	57.9%	192	42.1%
2002	490	285	58.2%	205	41.8%
2003	563	348	61.8%	215	38.2%
2004	615	347	56.4%	268	43.6%
2005	631	368	58.3%	263	41.7%
2006	680	401	59.0%	279	41.0%
2007	824	508	61.7%	316	38.3%
2008	755	483	64.0%	272	36.0%
2009	674	438	65.0%	236	35.0%
2010	680	462	67.9%	218	32.1%
2011	607	406	66.9%	201	33.1%
2012	560	394	70.4%	166	29.6%
2013	574	395	68.8%	179	31.2%
2014	560	382	68.2%	178	31.8%
2015	559	398	71.2%	161	28.8%
2016	478	322	67.4%	156	32.6%
TOTAL	16,498	11,240	68.1%	5,258	31.9%

Figure 4 – Trends in Adult/Adolescent Reported HIV Diagnoses by Race/Ethnicity, 1985-2016, Reported through 6/30/2017

Number and Percent by Race/Ethnicity of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017

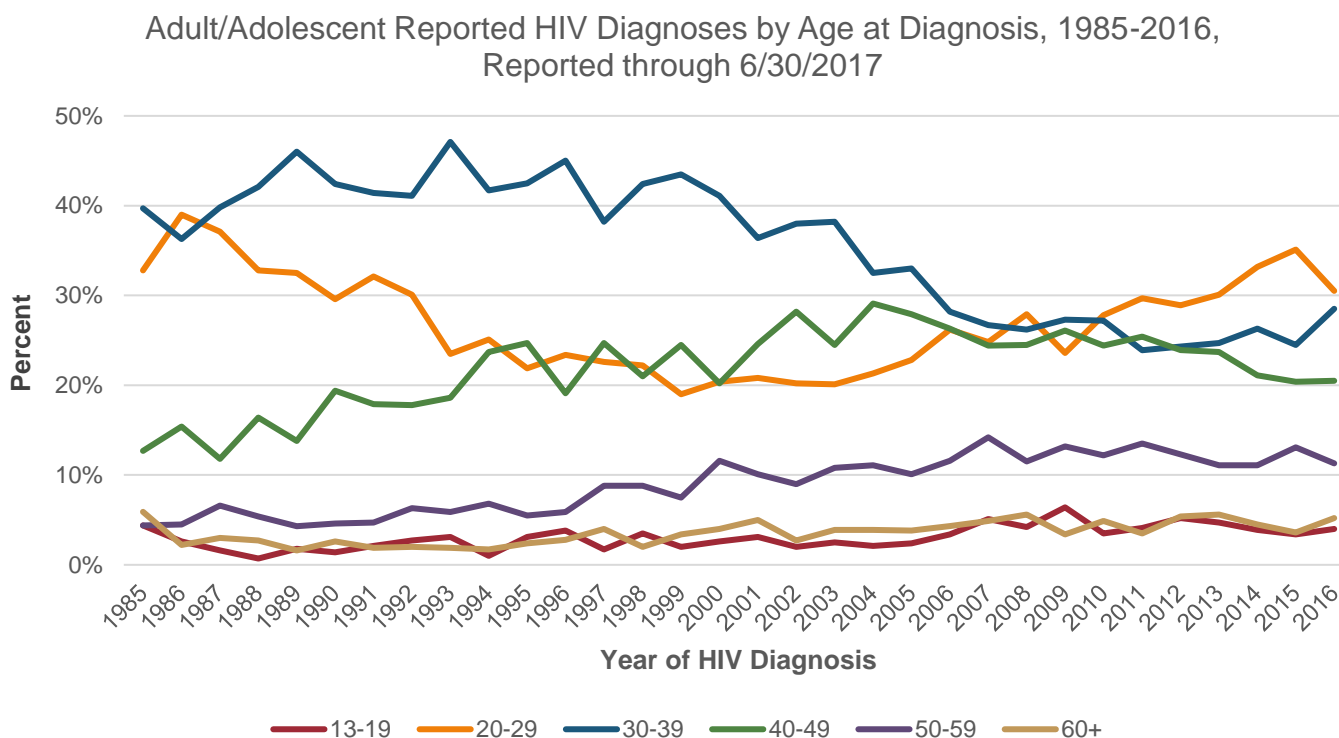
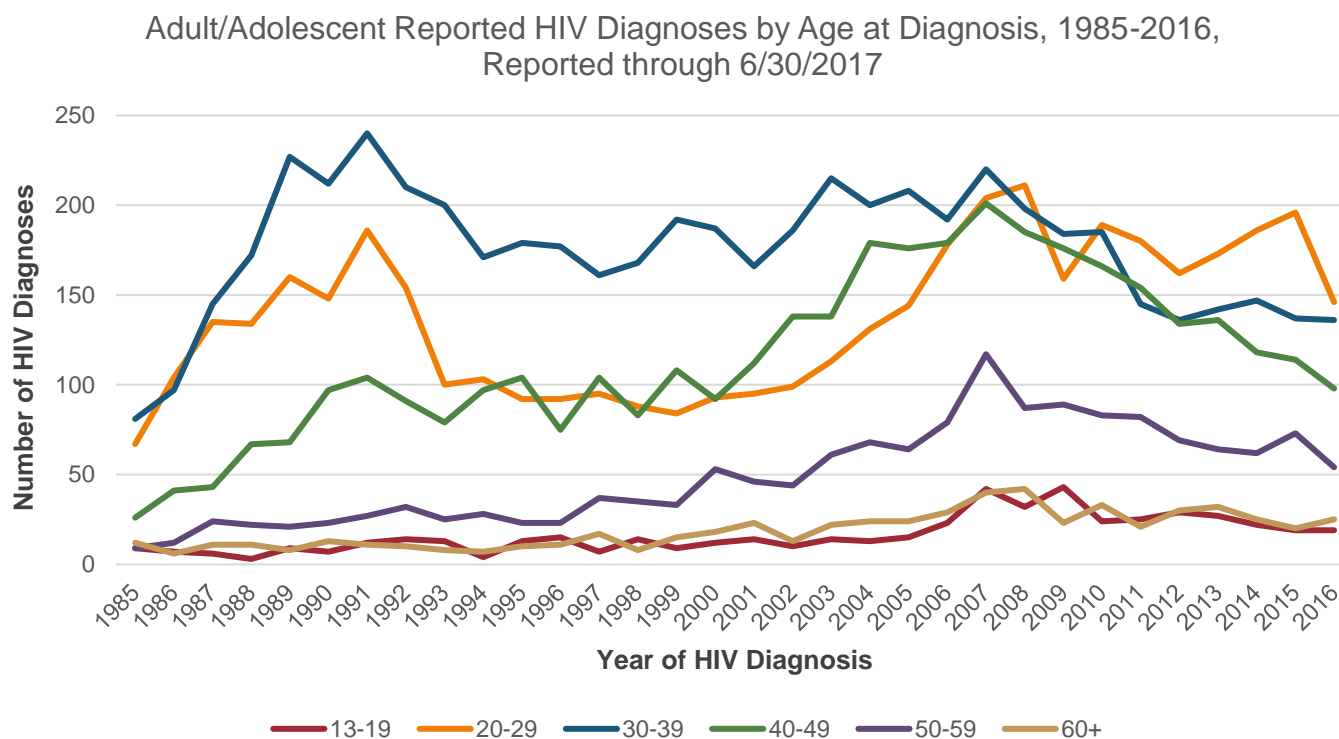


Non-Hispanic Other race not shown

ADULT/ADOLESCENT REPORTED HIV DIAGNOSES									
YEAR OF HIV DIAGNOSIS	No.	RACE/ETHNICITY							
		Hispanic		Non-Hispanic Black, only		Non-Hispanic White, only		Non-Hispanic Other Race	
		No.	%	No.	%	No.	%	No.	%
<1985	102	2	2.0%	60	58.8%	37	36.3%	3	2.9%
1985	204	9	4.4%	93	45.6%	91	44.6%	11	5.4%
1986	267	12	4.5%	136	50.9%	114	42.7%	5	1.9%
1987	364	12	3.3%	184	50.5%	164	45.1%	4	1.1%
1988	409	27	6.6%	224	54.8%	147	35.9%	11	2.7%
1989	493	17	3.4%	306	62.1%	160	32.5%	10	2.0%
1990	500	17	3.4%	325	65.0%	144	28.8%	14	2.8%
1991	580	34	5.9%	398	68.6%	136	23.4%	12	2.1%
1992	511	36	7.0%	356	69.7%	108	21.1%	11	2.2%
1993	425	28	6.6%	314	73.9%	72	16.9%	11	2.6%
1994	410	23	5.6%	297	72.4%	79	19.3%	11	2.7%
1995	421	23	5.5%	328	77.9%	59	14.0%	11	2.6%
1996	393	27	6.9%	308	78.4%	43	10.9%	15	3.8%
1997	421	24	5.7%	333	79.1%	56	13.3%	8	1.9%
1998	396	20	5.1%	324	81.8%	38	9.6%	14	3.5%
1999	441	29	6.6%	351	79.6%	41	9.3%	20	4.5%
2000	455	36	7.9%	347	76.3%	49	10.8%	23	5.1%
2001	456	32	7.0%	369	80.9%	32	7.0%	23	5.0%
2002	490	30	6.1%	395	80.6%	35	7.1%	30	6.1%
2003	563	45	8.0%	457	81.2%	36	6.4%	25	4.4%
2004	615	35	5.7%	508	82.6%	45	7.3%	27	4.4%
2005	631	46	7.3%	509	80.7%	43	6.8%	33	5.2%
2006	680	66	9.7%	524	77.1%	58	8.5%	32	4.7%
2007	824	88	10.7%	618	75.0%	79	9.6%	39	4.7%
2008	755	89	11.8%	574	76.0%	46	6.1%	46	6.1%
2009	674	66	9.8%	529	78.5%	42	6.2%	37	5.5%
2010	680	64	9.4%	516	75.9%	60	8.8%	40	5.9%
2011	607	71	11.7%	452	74.5%	50	8.2%	34	5.6%
2012	560	55	9.8%	422	75.4%	42	7.5%	41	7.3%
2013	574	56	9.8%	458	79.8%	31	5.4%	29	5.1%
2014	560	69	12.3%	415	74.1%	46	8.2%	30	5.4%
2015	559	71	12.7%	430	76.9%	33	5.9%	25	4.5%
2016	478	45	9.4%	394	82.4%	22	4.6%	17	3.6%
TOTAL	16,498	1,304	7.9%	12,254	74.3%	2,238	13.6%	702	4.3%

Figure 5 – Trends in Adult/Adolescent Reported HIV Diagnoses by Age at Diagnosis, 1985-2016, Reported through 6/30/2017

Number and Percent by Age at HIV Diagnosis of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017

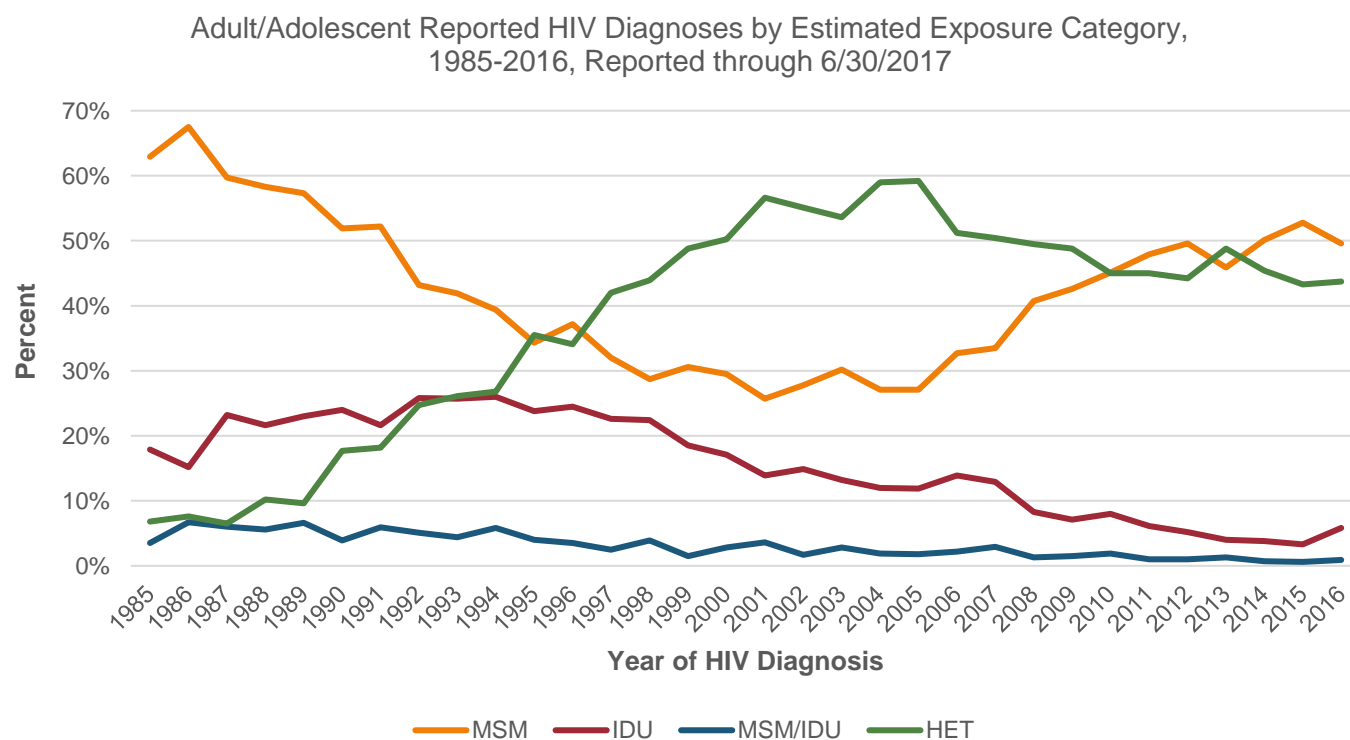
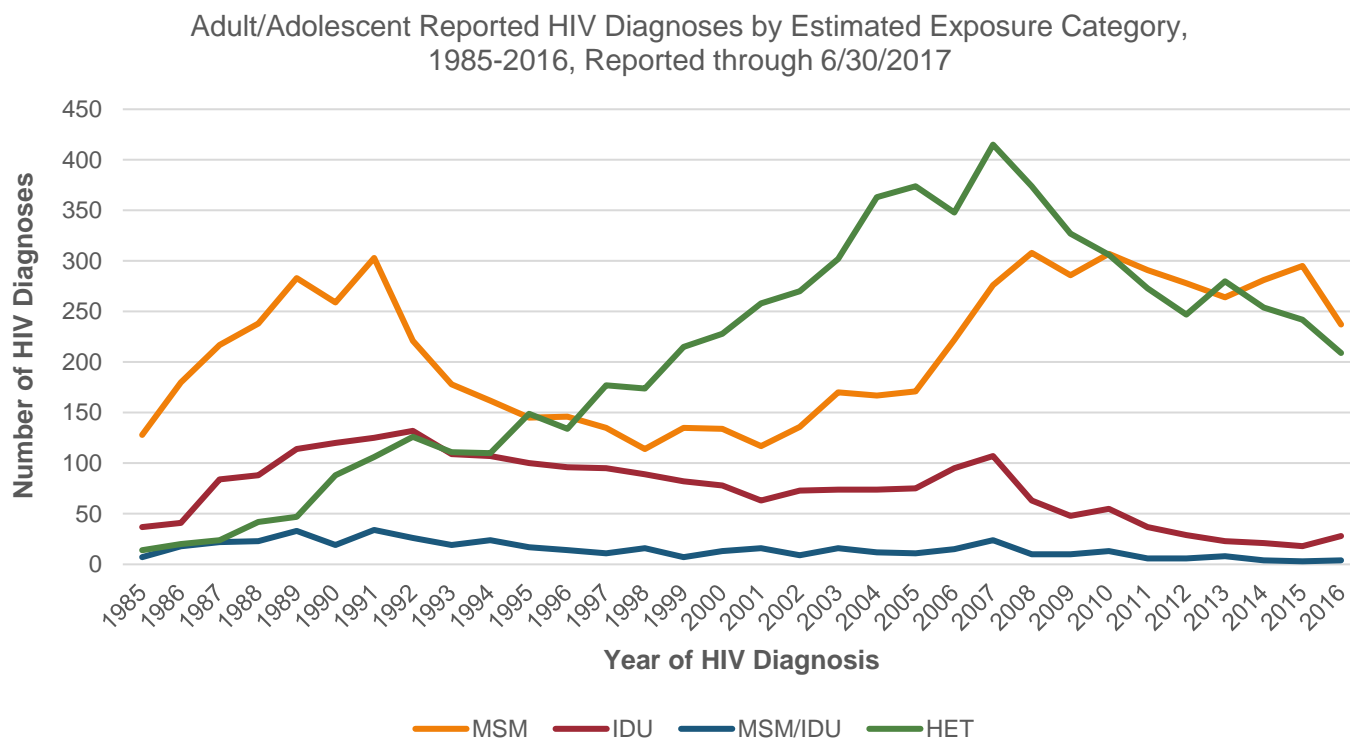


ADULT/ADOLESCENT REPORTED HIV DIAGNOSES

YEAR OF HIV DIAGNOSIS	No.	AGE AT HIV DIAGNOSIS											
		Age 13-19		Age 20-29		Age 30-39		Age 40-49		Age 50-59		Age 60+	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<1985	102	8	7.8%	37	36.3%	32	31.4%	18	17.6%	4	3.9%	3	2.9%
1985	204	9	4.4%	67	32.8%	81	39.7%	26	12.7%	9	4.4%	12	5.9%
1986	267	7	2.6%	104	39.0%	97	36.3%	41	15.4%	12	4.5%	6	2.2%
1987	364	6	1.6%	135	37.1%	145	39.8%	43	11.8%	24	6.6%	11	3.0%
1988	409	3	0.7%	134	32.8%	172	42.1%	67	16.4%	22	5.4%	11	2.7%
1989	493	9	1.8%	160	32.5%	227	46.0%	68	13.8%	21	4.3%	8	1.6%
1990	500	7	1.4%	148	29.6%	212	42.4%	97	19.4%	23	4.6%	13	2.6%
1991	580	12	2.1%	186	32.1%	240	41.4%	104	17.9%	27	4.7%	11	1.9%
1992	511	14	2.7%	154	30.1%	210	41.1%	91	17.8%	32	6.3%	10	2.0%
1993	425	13	3.1%	100	23.5%	200	47.1%	79	18.6%	25	5.9%	8	1.9%
1994	410	4	1.0%	103	25.1%	171	41.7%	97	23.7%	28	6.8%	7	1.7%
1995	421	13	3.1%	92	21.9%	179	42.5%	104	24.7%	23	5.5%	10	2.4%
1996	393	15	3.8%	92	23.4%	177	45.0%	75	19.1%	23	5.9%	11	2.8%
1997	421	7	1.7%	95	22.6%	161	38.2%	104	24.7%	37	8.8%	17	4.0%
1998	396	14	3.5%	88	22.2%	168	42.4%	83	21.0%	35	8.8%	8	2.0%
1999	441	9	2.0%	84	19.0%	192	43.5%	108	24.5%	33	7.5%	15	3.4%
2000	455	12	2.6%	93	20.4%	187	41.1%	92	20.2%	53	11.6%	18	4.0%
2001	456	14	3.1%	95	20.8%	166	36.4%	112	24.6%	46	10.1%	23	5.0%
2002	490	10	2.0%	99	20.2%	186	38.0%	138	28.2%	44	9.0%	13	2.7%
2003	563	14	2.5%	113	20.1%	215	38.2%	138	24.5%	61	10.8%	22	3.9%
2004	615	13	2.1%	131	21.3%	200	32.5%	179	29.1%	68	11.1%	24	3.9%
2005	631	15	2.4%	144	22.8%	208	33.0%	176	27.9%	64	10.1%	24	3.8%
2006	680	23	3.4%	178	26.2%	192	28.2%	179	26.3%	79	11.6%	29	4.3%
2007	824	42	5.1%	204	24.8%	220	26.7%	201	24.4%	117	14.2%	40	4.9%
2008	755	32	4.2%	211	27.9%	198	26.2%	185	24.5%	87	11.5%	42	5.6%
2009	674	43	6.4%	159	23.6%	184	27.3%	176	26.1%	89	13.2%	23	3.4%
2010	680	24	3.5%	189	27.8%	185	27.2%	166	24.4%	83	12.2%	33	4.9%
2011	607	25	4.1%	180	29.7%	145	23.9%	154	25.4%	82	13.5%	21	3.5%
2012	560	29	5.2%	162	28.9%	136	24.3%	134	23.9%	69	12.3%	30	5.4%
2013	574	27	4.7%	173	30.1%	142	24.7%	136	23.7%	64	11.1%	32	5.6%
2014	560	22	3.9%	186	33.2%	147	26.3%	118	21.1%	62	11.1%	25	4.5%
2015	559	19	3.4%	196	35.1%	137	24.5%	114	20.4%	73	13.1%	20	3.6%
2016	478	19	4.0%	146	30.5%	136	28.5%	98	20.5%	54	11.3%	25	5.2%
TOTAL	16,498	533	3.2%	4,438	26.9%	5,648	34.2%	3,701	22.4%	1,573	9.5%	605	3.7%

Figure 6 – Trends in Adult/Adolescent Reported HIV Diagnoses by Estimated Exposure Category, 1985-2016, Reported through 6/30/2017

Number and Percent by Estimated Exposure Category[§] of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis (Adult/Adolescent Reported HIV Diagnoses) by Year of HIV Diagnosis from 1985 through 2016, as Reported through 6/30/2017



Other Exposure Category not shown

[§] Multiple imputation was used to estimate and adjust for missing transmission category.

YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES											
	No.**	% with No Reported Exposure*	ESTIMATED EXPOSURE CATEGORY§									
			MSM		IDU		MSM/IDU		HET		Other Exposure	
			No.	%	No.	%	No.	%	No.	%	No.	%
<1985	102	11.8%	69	67.3%	18	17.3%	5	4.4%	8	8.1%	3	2.9%
1985	204	6.9%	128	62.9%	37	17.9%	7	3.5%	14	6.8%	18	8.8%
1986	267	4.1%	180	67.5%	41	15.2%	18	6.7%	20	7.6%	8	3.0%
1987	364	4.7%	217	59.7%	84	23.2%	22	6.0%	24	6.5%	17	4.7%
1988	409	6.6%	238	58.3%	88	21.6%	23	5.6%	42	10.2%	18	4.4%
1989	493	7.3%	283	57.3%	114	23.0%	33	6.6%	47	9.6%	17	3.4%
1990	500	5.8%	259	51.9%	120	24.0%	19	3.9%	88	17.7%	13	2.6%
1991	580	8.3%	303	52.2%	125	21.6%	34	5.9%	106	18.2%	12	2.1%
1992	511	12.5%	221	43.2%	132	25.8%	26	5.1%	126	24.7%	6	1.2%
1993	425	11.1%	178	41.9%	109	25.7%	19	4.4%	111	26.1%	8	1.9%
1994	410	10.5%	162	39.4%	107	26.0%	24	5.8%	110	26.8%	8	2.0%
1995	421	13.3%	145	34.3%	100	23.8%	17	4.0%	149	35.5%	10	2.4%
1996	393	17.0%	146	37.2%	96	24.5%	14	3.5%	134	34.1%	3	0.8%
1997	421	16.4%	135	32.0%	95	22.6%	11	2.5%	177	42.0%	4	1.0%
1998	396	17.7%	114	28.7%	89	22.4%	16	3.9%	174	43.9%	4	1.0%
1999	441	17.5%	135	30.6%	82	18.5%	7	1.5%	215	48.8%	3	0.7%
2000	455	19.8%	134	29.5%	78	17.1%	13	2.8%	228	50.2%	2	0.4%
2001	456	19.1%	117	25.7%	63	13.9%	16	3.6%	258	56.6%	1	0.2%
2002	490	16.3%	136	27.8%	73	14.9%	9	1.7%	270	55.1%	2	0.4%
2003	563	14.2%	170	30.2%	74	13.2%	16	2.8%	302	53.6%	1	0.2%
2004	615	20.3%	167	27.1%	74	12.0%	12	1.9%	363	59.0%	0	0.0%
2005	631	23.3%	171	27.1%	75	11.9%	11	1.8%	374	59.2%	0	0.0%
2006	680	29.9%	222	32.7%	95	13.9%	15	2.2%	348	51.2%	0	0.0%
2007	824	33.3%	276	33.5%	107	12.9%	24	2.9%	415	50.4%	2	0.2%
2008	755	41.2%	308	40.7%	63	8.3%	10	1.3%	374	49.5%	1	0.1%
2009	674	42.7%	286	42.6%	48	7.1%	10	1.5%	327	48.8%	0	0.0%
2010	680	44.1%	307	45.1%	55	8.0%	13	1.9%	306	45.0%	0	0.0%
2011	607	45.5%	291	47.9%	37	6.1%	6	1.0%	273	45.0%	0	0.0%
2012	560	32.5%	278	49.6%	29	5.2%	6	1.0%	247	44.2%	0	0.0%
2013	574	26.5%	264	45.9%	23	4.0%	8	1.3%	280	48.8%	0	0.0%
2014	560	25.0%	281	50.1%	21	3.8%	4	0.7%	254	45.4%	0	0.0%
2015	559	22.7%	295	52.8%	18	3.3%	3	0.6%	242	43.3%	0	0.0%
2016	478	41.8%	237	49.6%	28	5.8%	4	0.9%	209	43.7%	0	0.0%
TOTAL	16,498	22.7%	6,852	41.5%	2,396	14.5%	470	2.8%	6,616	40.1%	161	1.0%

§ Multiple imputation was used to estimate and adjust for missing transmission category.

*Percent with no reported exposure prior to multiple imputation adjustment.

** Discrepancies in the table between total HIV diagnoses and the sums by exposure category are due to less than 1% of cases missing transmission category after multiple imputation.

Section III – Adult/Adolescent Cases by Jurisdiction

Table 1 – Adult/Adolescent HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result by Jurisdiction of Residence at HIV Diagnosis, Reported through 6/30/2017

JURISDICTION OF RESIDENCE AT HIV DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	%	Median Count
Montgomery	868,044	150	31.4%	17.3	78.7%	84.7%	24.0%	86.7%	354
Prince George's	757,629	328	68.6%	43.3	79.6%	85.4%	26.2%	87.2%	378
TOTAL	1,625,672	478	100.0%	29.4	79.3%	85.1%	25.5%	87.0%	372

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2016.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Rate: Number of adult/adolescent HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

First CD4 Test Result Percent: Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Table 2 – Adult/Adolescent AIDS Diagnoses during 2016, Mean Years from HIV Diagnosis and Percent Late HIV Diagnosis, by Jurisdiction of Residence at AIDS Diagnosis, Reported through 6/30/2017

JURISDICTION OF RESIDENCE AT AIDS DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES				
		No.	% of Total	Rate	Mean Years from HIV Diagnosis	% Late HIV Diagnosis
Montgomery	868,044	63	27.4%	7.3	3.0	57.1%
Prince George's	757,629	167	72.6%	22.0	4.2	50.9%
TOTAL	1,625,672	230	100.0%	14.1	3.9	52.6%

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2016.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Rate: Number of adult/adolescent AIDS diagnoses divided by the population age 13 years or older and multiplied by 100,000.

Mean Years from HIV Diagnosis: Mean number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Percent Late HIV Diagnosis: Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Table 3 – Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Residence at Diagnosis, Reported through 6/30/2017

JURISDICTION OF RESIDENCE AT DIAGNOSIS	POPULATION AGE 13+	ADULT/ADOLESCENT LIVING HIV CASES WITHOUT AIDS			ADULT/ADOLESCENT LIVING HIV CASES WITH AIDS			ADULT/ADOLESCENT TOTAL LIVING HIV CASES			
		No.	% of Total	Rate	No.	% of Total	Rate	No.	% of Total	Rate	Ratio (1 in X)
Montgomery	868,044	1,818	33.5%	209.4	1,981	34.9%	228.2	3,799	34.2%	437.7	228
Prince George's	757,629	3,605	66.5%	475.8	3,688	65.1%	486.8	7,293	65.8%	962.6	103
TOTAL	1,625,672	5,423	100.0%	333.6	5,669	100.0%	348.7	11,092	100.0%	682.3	146

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or time of initial AIDS diagnosis.

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2016.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 4 – Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Residence at Diagnosis or Current Residence, Reported through 6/30/2017

Jurisdiction of Residence	Population Age 13+	Adult/Adolescent Total Living HIV Cases								
		Residence at Diagnosis				Current Residence				% Change
		No.	% of Total	Rate	Ratio (1 in X)	No.	% of Total	Rate	Ratio (1 in X)	
Montgomery	868,044	3,799	34.2%	437.7	228	3,219	30.0%	370.8	269	-15.3%
Prince George's	757,629	7,293	65.8%	962.6	103	7,500	70.0%	989.9	101	2.8%
TOTAL	1,625,672	11,092	100.0%	682.3	146	10,719	100.0%	659.4	151	-3.4%

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2016.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

Rate: Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Percent Change: The percent change in number of adult/adolescent total living HIV cases from residence at diagnosis to current residence.

Table 5 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Current Residence, Reported through 6/30/2017

JURISDICTION OF CURRENT RESIDENCE	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Montgomery	3,219	2,184	67.8%	561	7.6%	14.6%	20.2%	57.6%
Prince George’s	7,500	5,118	68.2%	549	10.9%	13.6%	19.0%	56.5%
TOTAL	10,719	7,302	68.1%	554	9.9%	13.9%	19.4%	56.8%

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

With Test: Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

Median Count: Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

Table 6 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Jurisdiction of Current Residence, Reported through 6/30/2017

JURISDICTION OF CURRENT RESIDENCE	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Montgomery	3,219	2,182	67.8%	88.9%	8,160
Prince George's	7,500	5,129	68.4%	81.7%	11,740
TOTAL	10,719	7,311	68.2%	83.8%	11,194

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

With Test: Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

Percent Suppressed: Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

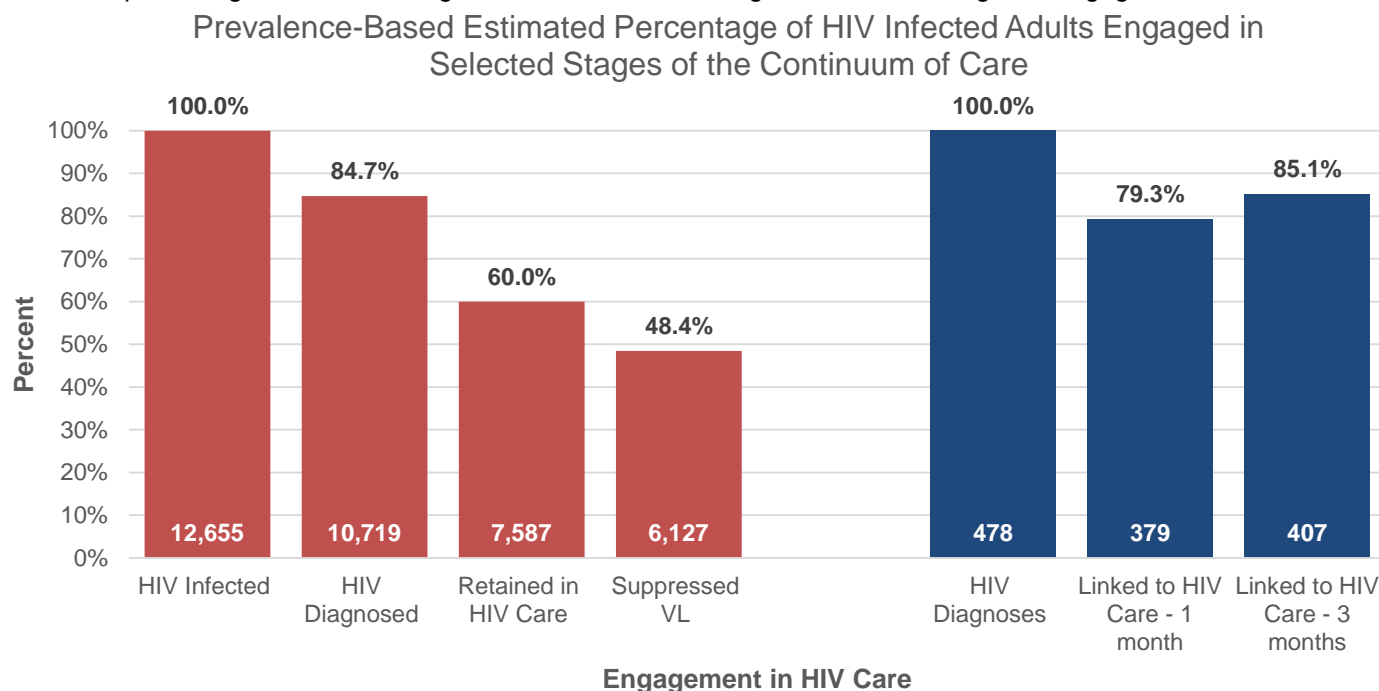
Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Section IV – Continuum of Care Cascades

In their 2011 article in *Clinical Infectious Diseases*, Gardner et al.¹ utilize a continuum of care “cascade” to illustrate estimates of the number of persons living with HIV who belong to each of the stages of engagement in HIV care.

Figure 7 – Prevalence-Based Estimated Adult/Adolescent 2016 HIV Continuum of Care Cascades, Current Suburban Region Residents, Reported through 6/30/2017

The prevalence-based Suburban Region Engagement in HIV Care Cascade (below) uses the most recent Centers for Disease Control and Prevention (CDC) estimate of the number of undiagnosed persons in Maryland (15.3%)² to generate an estimated number of HIV infected persons currently residing in the Suburban Region. It then uses Maryland surveillance data to describe the number and percentage of persons living with HIV in the region on 12/31/2016 and the number and percentage of new HIV diagnoses in 2016 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Living HIV Cases		Continuum of Care Stage	New Diagnoses	
	Number	Percentage		Number	Percentage
HIV Infected	12,655	100.0%	New HIV Diagnoses	478	100.0%
HIV Diagnosed	10,719	84.7%	Linked to HIV Care – 1 Month	379	79.3%
Retained in HIV Care	7,587	60.0%	Linked to HIV Care – 3 Months	407	85.1%
Suppressed VL	6,127	48.4%			

HIV Infected: HIV Diagnosed divided by one minus the estimate of undiagnosed HIV infections (15.3%) in Maryland.

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year.

Retained in HIV Care: HIV Diagnosed with a reported CD4 or viral load test result performed during the specified year.

Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

New HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Linked to HIV Care – 1 month: Adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month after their initial HIV diagnosis.

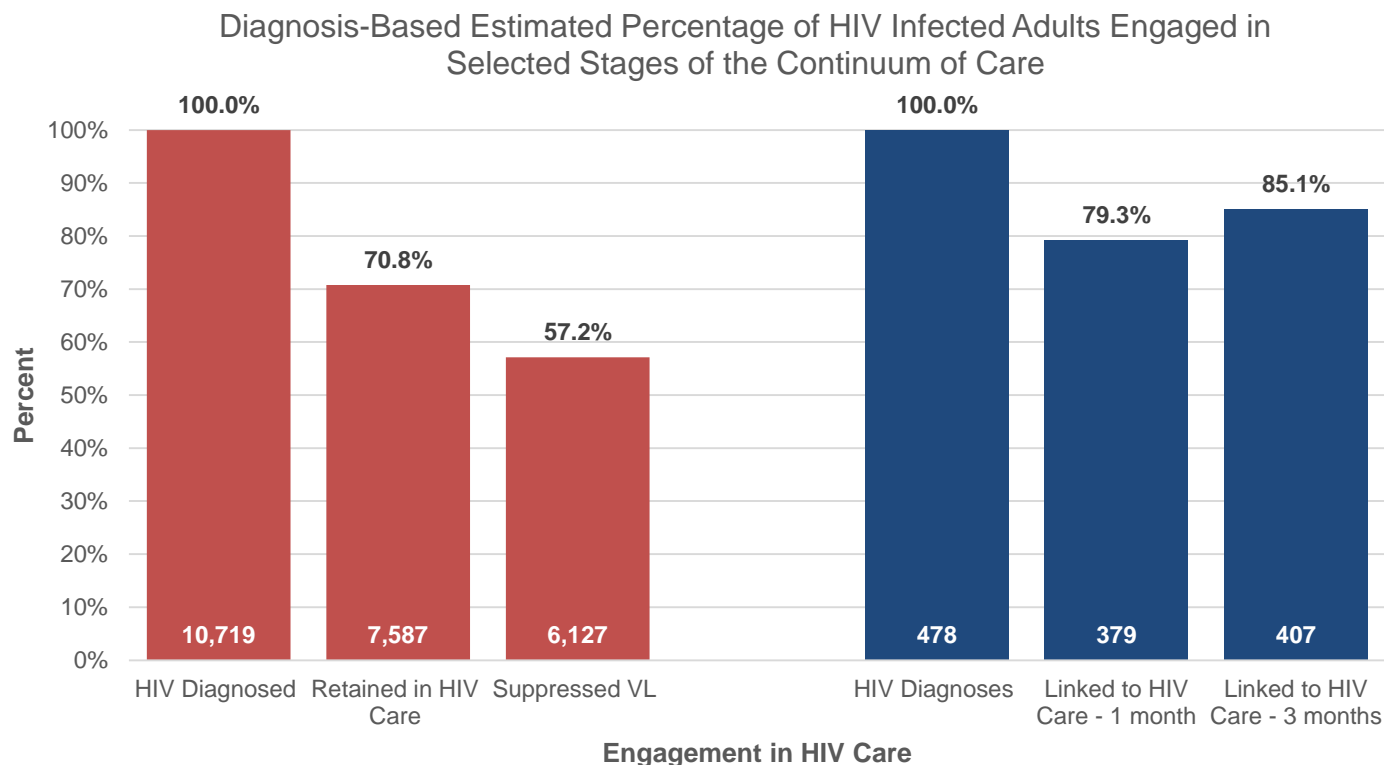
Linked to HIV Care – 3 months: Number of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

¹ Gardner et al, “The Spectrum of Engagement in HIV Care and its Relevance to Test-and-Treat Strategies for Prevention of HIV Infection.” *Clin Infect Dis*. 2011; 52 (6): 793-800.

²Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2015. *HIV Surveillance Supplemental Report* 2017;22(No. 2). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published July 2017.

Figure 8 – Diagnosis-Based Estimated Adult/Adolescent 2016 HIV Continuum of Care Cascades, Current Suburban Region Residents, Reported through 6/30/2017

The diagnosis-based Suburban Region Engagement in HIV Care Cascade (below) uses Maryland surveillance data for current Suburban Region residents to describe the number and percentage of persons living with HIV in the region on 12/31/2016 and the number and percentage of new HIV diagnoses in 2016 who belong to each of the stages of engagement in HIV care.



Continuum of Care Stage	Living HIV Cases		Continuum of Care Stage	New Diagnoses	
	Number	Percentage		Number	Percentage
HIV Diagnosed	10,719	100.0%	New HIV Diagnoses	478	100.0%
Retained in HIV Care	7,587	70.8%	Linked to HIV Care – 1 Month	379	79.3%
Suppressed VL	6,127	57.2%	Linked to HIV Care – 3 Months	407	85.1%

HIV Diagnosed: Adult/adolescent total living HIV cases as of December 31st of the specified year with a recent address in Maryland between 2009 and 2016.

Retained in HIV Care: HIV Diagnosed with a reported CD4 or viral load test result performed during the specified year.

Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

New HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Linked to HIV Care – 1 month: Adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month after their initial HIV diagnosis.

Linked to HIV Care – 3 months: Number of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 3 months after their initial HIV diagnosis.

Section V – Cases by Age

Table 7 – HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result by Age at HIV Diagnosis, Reported through 6/30/2017

AGE AT HIV DIAGNOSIS	POPULATION	REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.	%	%	Median Count
<5 (Pediatric)	126,962	2	0.4%	1.6	***	***	***	***	***
5-12 (Pediatric)	199,278	1	0.2%	0.5	***	***	***	***	***
13-19	171,970	19	4.0%	11.0	94.7	100	***	89.5	449
20-29	258,776	146	30.4%	56.4	80.8%	85.6%	11.6%	87.7%	422
30-39	273,493	136	28.3%	49.7	75.0%	82.4%	30.1%	86.0%	352
40-49	266,279	98	20.4%	36.8	83.7%	88.8%	31.6%	87.8%	328
50-59	276,612	54	11.2%	19.5	72.2%	77.8%	33.3%	85.2%	360
60+	378,542	25	5.2%	6.6	80.0%	88.0%	56.0%	88.0%	154
TOTAL	1,951,912	481	100.0%	24.6	79.4%	85.2%	25.4%	86.9%	373

*** Data withheld due to low population counts and/or case counts

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Population: Population estimate for 7/1/2016.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Rate: Number of HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

Linked to Care: Percent of reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Late HIV Diagnosis: Percent of reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

First CD4 Test Result Percent: Percent of reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Table 8 – HIV Cases Alive on 12/31/2016, by Age on 12/31/2016, Reported through 6/30/2017

AGE ON 12/31/2016	POPULATION	TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
<5	126,962	4	0.0%	0.0%	3.2	31,740
5-12	199,278	28	0.3%	14.3%	14.1	7,117
13-19	171,970	84	0.8%	23.8%	48.8	2,047
20-29	258,776	1,315	12.1%	25.3%	508.2	196
30-39	273,493	2,372	21.8%	40.6%	867.3	115
40-49	266,279	2,877	26.5%	56.4%	1,080.4	92
50-59	276,612	2,793	25.7%	60.5%	1,009.7	99
60+	378,542	1,399	12.9%	61.4%	369.6	270
TOTAL	1,951,912	10,872	100.0%	50.5%	557.0	179

Age on [date]: Age group of living cases on the specified date.

Population: Population estimate for 7/1/2016.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Living with AIDS: The percent of reported HIV diagnoses with an AIDS diagnosis not reported to have died as of December 31st of the specified year.

Rate: Number of HIV cases divided by the population multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 9 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Age on 12/31/2016, Reported through 6/30/2017

AGE ON 12/31/2016	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
13-19	41	36	87.8%	580	2.8%	8.3%	33.3%	55.6%
20-29	1,245	821	65.9%	579	8.3%	11.8%	17.4%	62.5%
30-39	2,364	1,530	64.7%	556	10.6%	13.1%	18.7%	57.6%
40-49	2,877	1,924	66.9%	545	11.4%	14.0%	19.4%	55.1%
50-59	2,793	1,983	71.0%	555	8.7%	15.2%	19.7%	56.4%
60+	1,399	1,008	72.1%	537	10.1%	14.0%	20.9%	55.0%
TOTAL	10,719	7,302	68.1%	554	9.9%	13.9%	19.4%	56.8%

Table 10 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Age on 12/31/2016, Reported through 6/30/2017

AGE ON 12/31/2016	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	No.	Recent Viral Load Test Result				Median Unsuppressed
		No. with Test	% with Test	% Suppressed		
13-19	41	37	90.2%	51.4%		8,665
20-29	1,245	842	67.6%	72.6%		12,500
30-39	2,364	1,550	65.6%	80.6%		12,355
40-49	2,877	1,932	67.2%	85.2%		9,780
50-59	2,793	1,971	70.6%	86.8%		10,233
60+	1,399	979	70.0%	90.9%		6,166
TOTAL	10,719	7,311	68.2%	83.8%		11,194

Age on [date]: Age group of living cases on the specified date.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

CD4 With Test: Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

Median Count: Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Viral Load With Test: Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

Percent Suppressed: Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Section VI – Adult/Adolescent Cases by Demographics

Table 11 – Adult/Adolescent HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result by Sex at Birth, Race/Ethnicity, and Country of Birth, Reported through 6/30/2017

SEX AT BIRTH	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
Male	773,707	322	67.4%	41.6	81.4%	85.7%	24.2%	88.2%	374
Female	851,966	156	32.6%	18.3	75.0%	84.0%	28.2%	84.6%	361
TOTAL	1,625,672	478	100.0%	29.4	79.3%	85.1%	25.5%	87.0%	372

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
Hispanic	270,941	45	9.4%	16.6	91.1%	93.3%	20.0%	93.3%	401
Non-Hispanic	1,354,731	433	90.6%	32.0	78.1%	84.3%	26.1%	86.4%	366
American Indian/Alaska Native, only	3,365	***	***	***	***	***	***	***	***
Asian, only	170,331	8	1.7%	4.7	75.0%	75.0%	***	62.5%	400
Black, only	636,706	394	82.4%	61.9	78.9%	85.5%	26.4%	87.6%	363
Native Hawaiian/ Other Pacific Islander, only	703	***	***	***	***	***	***	***	***
White, only	513,103	22	4.6%	4.3	59.1%	59.1%	22.7%	68.2%	418
Multiracial/ Other	30,523	9	1.9%	29.5	88.9%	100.0%	***	100.0%	282
TOTAL	1,625,672	478	100.0%	29.4	79.3%	85.1%	25.5%	87.0%	372

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
		No.	% of Total	Rate	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
					% 1 mo.	% 3 mo.		%	Median Count
United States	1,090,267	359	75.1%	32.9	78.8%	84.4%	25.9%	85.5%	361
Foreign-born	498,586	87	18.2%	17.4	80.5%	88.5%	23.0%	92.0%	459
Africa	--	62	13.0%	--	75.8%	83.9%	22.6%	88.7%	425
Asia	--	3	0.6%	--	***	***	***	***	***
Caribbean	--	6	1.3%	--	***	***	***	***	***
Central America	--	7	1.5%	--	85.7%	100.0%	***	100.0%	510
Other	--	9	1.9%	--	88.9%	100.0%	***	100.0%	593
Unknown	--	32	6.7%	--	81.3%	84.4%	28.1%	90.6%	325
TOTAL	1,588,853	478	100.0%	30.1	79.3%	85.1%	25.5%	87.0%	372

* Population data by sex at birth, age, and race/ethnicity are from the 2016 U.S. Census population estimates

** Population data by country of birth are from the 2015 American Community Survey

*** Data withheld due to low population and/or case counts

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2016.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Rate: Number of adult/adolescent HIV diagnoses divided by the population age 13 years or older and multiplied by 100,000.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

First CD4 Test Result Percent: Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Table 12 – Adult/Adolescent Living HIV Cases Alive on 12/31/2016, by Sex at Birth, Race/Ethnicity, and Country of Birth, Reported through 6/30/2017

SEX AT BIRTH	POPULATION AGE 13+	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
Male	773,707	7,086	66.1%	49.9%	915.9	109
Female	851,966	3,633	33.9%	52.2%	426.4	234
TOTAL	1,625,672	10,719	100.0%	50.7%	659.4	151

RACE/ETHNICITY	POPULATION AGE 13+*	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
Hispanic	270,941	1,017	9.5%	54.2%	375.4	266
Non-Hispanic	1,354,731	9,702	90.5%	50.3%	716.2	139
American Indian/Alaska Native, only	3,365	***	***	***	***	***
Asian, only	170,331	94	0.9%	31.9%	55.2	1,812
Black, only	636,706	8,233	76.8%	50.8%	1,293.1	77
Native Hawaiian/ Other Pacific Islander, only	703	***	***	***	***	***
White, only	513,103	852	7.9%	44.2%	166.0	602
Multiracial/ Other	30,523	515	4.8%	55.9%	1,687.3	59
TOTAL	1,625,672	10,719	100.0%	50.7%	659.4	151

COUNTRY OF BIRTH	POPULATION AGE 13+**	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
		No.	% of Total	% Living with AIDS	Rate	Ratio (1 in X)
United States	1,090,267	8,489	79.2%	50.2%	778.6	128
Foreign-born	498,586	1,878	17.5%	55.8%	376.7	265
Africa	--	1,239	11.6%	55.5%	--	--
Asia	--	69	0.6%	42.0%	--	--
Caribbean	--	118	1.1%	50.8%	--	--
Central America	--	306	2.9%	65.0%	--	--
Other	--	146	1.4%	49.3%	--	--
Unknown	--	352	3.3%	34.4%	--	--
TOTAL	1,588,853	10,719	100.0%	50.7%	674.6	148

* Population data by sex at birth, age, and race/ethnicity are from the 2016 U.S. Census population estimates

** Population data by country of birth are from the 2015 American Community Survey

*** Data withheld due to low population and/or case counts

Population Age 13+: Population greater than or equal to 13 years old, estimate for 7/1/2016.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Living with AIDS: The percent of reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Rate: Number of adult/adolescent cases divided by the population age 13 years or older multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 13 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2017

SEX AT BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Male	7,086	4,790	67.6%	535	10.2%	14.9%	19.9%	55.0%
Female	3,633	2,512	69.1%	596	9.4%	11.8%	18.5%	60.3%
TOTAL	10,719	7,302	68.1%	554	9.9%	13.9%	19.4%	56.8%

RACE/ETHNICITY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
Hispanic	1,017	727	71.5%	544	10.3%	14.3%	19.0%	56.4%
Non-Hispanic	9,702	6,575	67.8%	554	9.9%	13.8%	19.4%	56.9%
American Indian/Alaska Native, only	***	***	***	***	***	***	***	***
Asian, only	94	63	67.0%	524	6.3%	12.7%	28.6%	52.4%
Black, only	8,233	5,603	68.1%	546	10.4%	14.1%	19.7%	55.9%
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***	***	***	***
White, only	852	545	64.0%	651	5.0%	10.3%	15.8%	69.0%
Multiracial/Other	515	360	69.9%	531	10.0%	15.6%	20.3%	54.2%
TOTAL	10,719	7,302	68.1%	554	9.9%	13.9%	19.4%	56.8%

COUNTRY OF BIRTH	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Result						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
United States	8,489	5,746	67.7%	555	10.4%	13.7%	18.7%	57.2%
Foreign-born	1,878	1,346	71.7%	540	7.7%	14.3%	22.7%	55.3%
Africa	1,239	886	71.5%	534	7.1%	15.1%	23.9%	53.8%
Asia	69	49	71.0%	501	8.2%	16.3%	24.5%	51.0%
Caribbean	118	87	73.7%	670	8.0%	8.0%	18.4%	65.5%
Central America	306	218	71.2%	507	11.5%	16.5%	21.6%	50.5%
Other	146	106	72.6%	622	4.7%	6.6%	17.9%	70.8%
Unknown	352	210	59.7%	571	10.0%	16.2%	17.1%	56.7%
TOTAL	10,719	7,302	68.1%	554	9.9%	13.9%	19.4%	56.8%

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

With Test: Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

Median Count: Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

Table 14 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Sex at Birth, Race/Ethnicity and Country of Birth, Reported through 6/30/2017

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
SEX AT BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Male	7,086	4,767	67.3%	83.6%	11,247
Female	3,633	2,544	70.0%	84.2%	10,663
TOTAL	10,719	7,311	68.2%	83.8%	11,194

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
RACE/ETHNICITY	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
Hispanic	1,017	730	71.8%	86.4%	18,435
Non-Hispanic	9,702	6,581	67.8%	83.5%	10,330
American Indian/Alaska Native, only	***	***	***	***	***
Asian, only	94	63	67.0%	92.1%	9,700
Black, only	8,233	5,609	68.1%	82.5%	10,480
Native Hawaiian/Other Pacific Islander, only	***	***	***	***	***
White, only	852	544	63.8%	91.7%	9,875
Multiracial/Other	515	361	70.1%	84.5%	9,543
TOTAL	10,719	7,311	68.2%	83.8%	11,194

ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
COUNTRY OF BIRTH	No.	Recent Viral Load Test Result			
		No. with Test	% with Test	% Suppressed	Median Unsuppressed
United States	8,489	5,751	67.7%	82.7%	10,968
Foreign-born	1,878	1,339	71.3%	88.4%	10,715
Africa	1,239	880	71.0%	88.9%	7,832
Asia	69	47	68.1%	91.5%	39,561
Caribbean	118	87	73.7%	85.1%	5,590
Central America	306	218	71.2%	85.3%	10,954
Other	146	107	73.3%	92.5%	33,992
Unknown	352	221	62.8%	84.6%	17,296
TOTAL	10,719	7,311	68.2%	83.8%	11,194

*** Data withheld due to low population and/or case counts

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

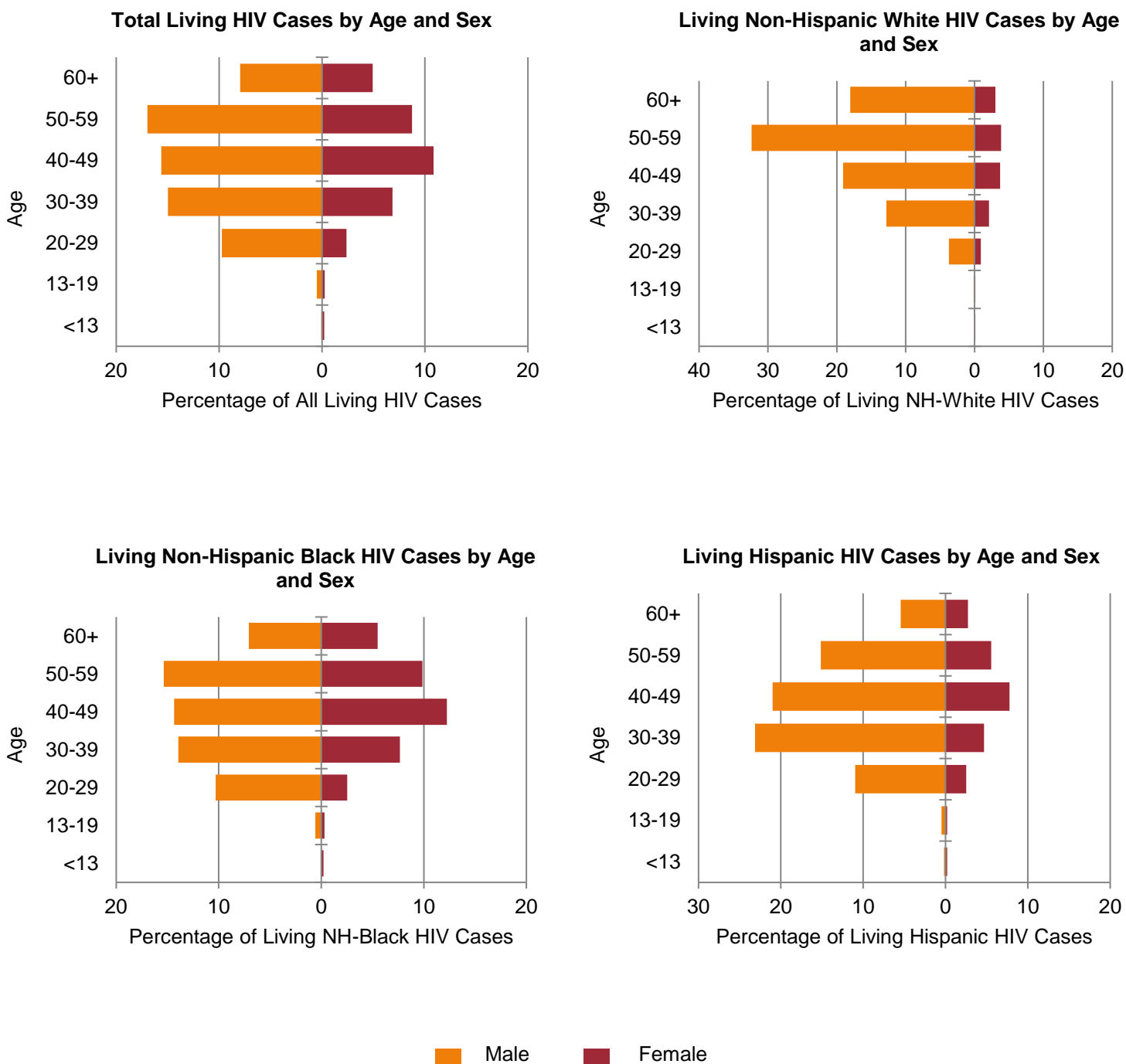
With Test: Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

Percent Suppressed: Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Section VII – HIV Cases by Expanded Demographics

Figure 9 – Population Pyramids of Total Living HIV Cases by Current Age, Sex at Birth, and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017



Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Table 15 – Total Living Male HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017

TOTAL LIVING MALE HIV CASES						
AGE ON 12/31/2016		RACE/ETHNICITY				TOTAL MALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	45,931	60,891	36,815	22,879	166,516
	Cases	2	5	0	2	9
	Rate	4.4	8.2	0.0	8.7	5.4
	Ratio (1 in X)	22,965	12,178	--	11,439	18,501
13-19	Population	19,168	33,693	23,329	11,367	87,557
	Cases	5	48	1	2	56
	Rate	26.1	142.5	4.3	17.6	64.0
	Ratio (1 in X)	3,833	701	23,329	5,683	1,563
20-29	Population	28,501	52,013	33,388	16,398	130,300
	Cases	113	861	32	52	1,058
	Rate	396.5	1,655.4	95.8	317.1	812.0
	Ratio (1 in X)	252	60	1,043	315	123
30-39	Population	35,459	47,687	34,072	16,952	134,170
	Cases	238	1,165	110	115	1,628
	Rate	671.2	2,443.0	322.8	678.4	1,213.4
	Ratio (1 in X)	148	40	309	147	82
40-49	Population	28,410	48,355	34,611	16,331	127,707
	Cases	216	1,200	164	119	1,699
	Rate	760.3	2,481.6	473.8	728.7	1,330.4
	Ratio (1 in X)	131	40	211	137	75
50-59	Population	17,386	51,090	46,731	14,495	129,702
	Cases	156	1,285	278	125	1,844
	Rate	897.3	2,515.2	594.9	862.4	1,421.7
	Ratio (1 in X)	111	39	168	115	70
60+	Population	12,483	55,829	76,342	19,617	164,271
	Cases	56	590	155	63	864
	Rate	448.6	1,056.8	203.0	321.2	526.0
	Ratio (1 in X)	222	94	492	311	190
TOTAL MALES BY RACE/ETHNICITY	Population	187,338	349,558	285,288	118,039	940,223
	Cases	786	5,154	740	478	7,158
	Rate	419.6	1,474.4	259.4	405.0	761.3
	Ratio (1 in X)	238	67	385	246	131

Age on [date]: Age group of living cases on the specified date.

Total Living Male HIV Cases: Reported HIV diagnoses with Male sex at birth with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Population: Population estimate for 7/1/2016.

Rate: Number of HIV cases divided by the population age 13 years or older multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Table 16 – Total Living Female HIV Cases by Current Age and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017

TOTAL LIVING FEMALE HIV CASES						
AGE ON 12/31/2016		RACE/ETHNICITY				TOTAL FEMALES BY AGE GROUP
		Hispanic	Non- Hispanic Black, only	Non- Hispanic White, only	Non- Hispanic Other Race	
<13 (Pediatric)	Population	43,812	58,884	35,252	21,775	159,723
	Cases	2	18	1	2	23
	Rate	4.6	30.6	2.8	9.2	14.4
	Ratio (1 in X)	21,906	3,271	35,252	10,887	6,944
13-19	Population	17,900	33,368	22,089	11,057	84,414
	Cases	2	25	1	0	28
	Rate	11.2	74.9	4.5	0.0	33.2
	Ratio (1 in X)	8,950	1,334	22,089	--	3,014
20-29	Population	25,049	55,063	31,667	16,697	128,476
	Cases	26	212	8	11	257
	Rate	103.8	385.0	25.3	65.9	200.0
	Ratio (1 in X)	963	259	3,958	1,517	499
30-39	Population	28,868	56,102	34,359	19,994	139,323
	Cases	48	641	18	37	744
	Rate	166.3	1,142.6	52.4	185.1	534.0
	Ratio (1 in X)	601	87	1,908	540	187
40-49	Population	24,098	58,774	35,792	19,908	138,572
	Cases	80	1,023	32	43	1,178
	Rate	332.0	1,740.6	89.4	216.0	850.1
	Ratio (1 in X)	301	57	1,118	462	117
50-59	Population	17,185	63,564	48,498	17,663	146,910
	Cases	57	824	33	35	949
	Rate	331.7	1,296.3	68.0	198.2	646.0
	Ratio (1 in X)	301	77	1,469	504	154
60+	Population	16,434	81,168	92,226	24,443	214,271
	Cases	28	460	26	21	535
	Rate	170.4	566.7	28.2	85.9	249.7
	Ratio (1 in X)	586	176	3,547	1,163	400
TOTAL FEMALES BY RACE/ETHNICITY	Population	173,346	406,923	299,883	131,537	1,011,689
	Cases	243	3,203	119	149	3,714
	Rate	140.2	787.1	39.7	113.3	367.1
	Ratio (1 in X)	713	127	2,520	882	272

Age on [date]: Age group of living cases on the specified date.

Total Living Female HIV Cases: Reported HIV diagnoses with Female sex at birth with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

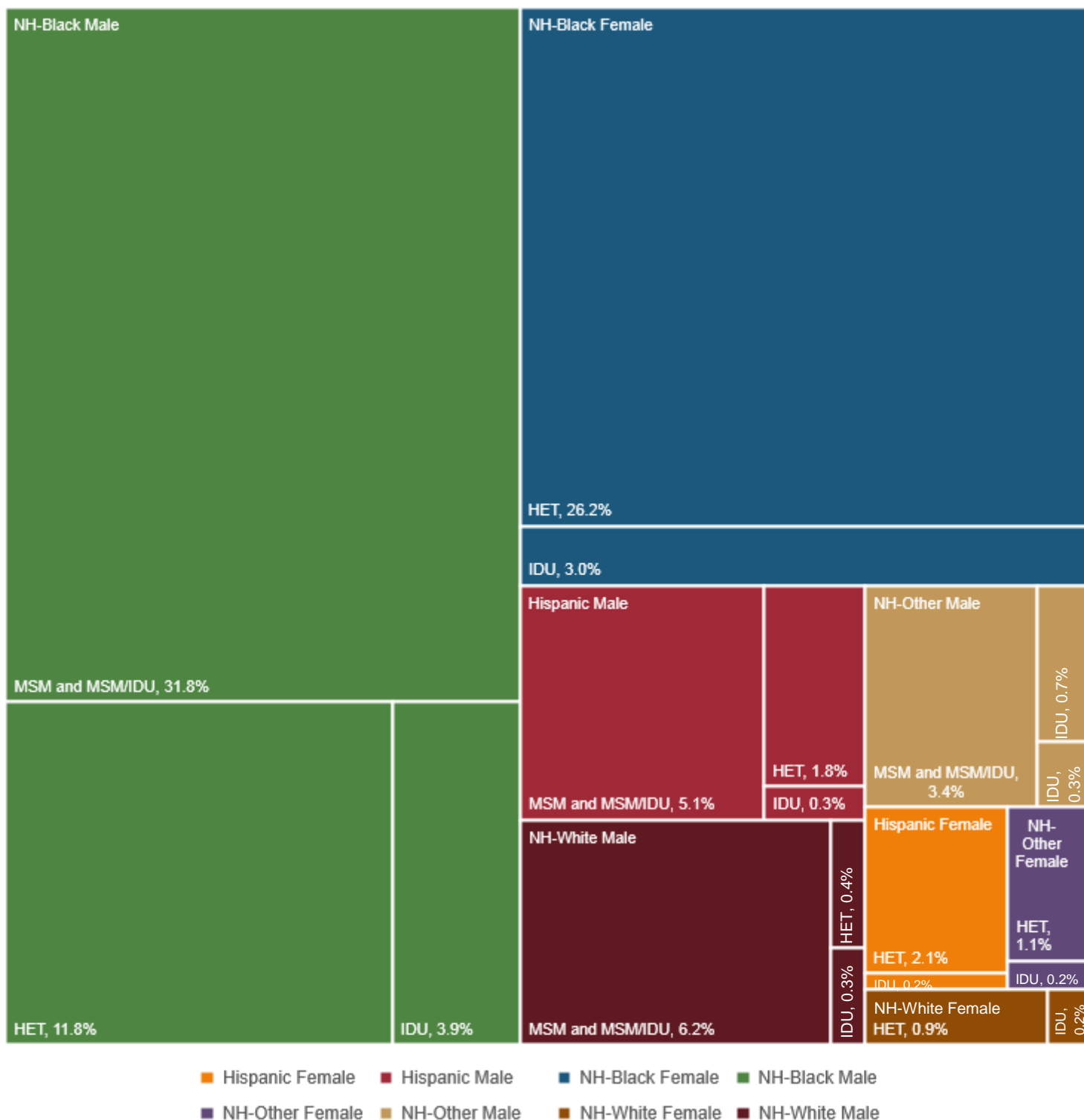
Population: Population estimate for 7/1/2016.

Rate: Number of HIV cases divided by the population age 13 years or older multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Section VIII – HIV Exposure Category

Figure 10 – Proportion of Adult/Adolescent Total Living HIV Cases, by Estimated Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2016, Reported through 6/30/2017



Other exposure category not shown (<1%).

Multiple imputation was used to estimate and adjust for missing transmission category.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Men who have Sex with Men (MSM): Men who report a history of sexual contact with other men (homosexual contact) including men who report sexual contact with both men and women (bisexual contact).

Injection Drug Use (IDU): Men or women who report receiving an injection, either self-administered or given by another person, of a drug that was not prescribed by a physician.

MSM/IDU: Men who report a history of sexual contact with other men who also have engaged in injection drug use.

Heterosexual Exposure (HET): Men or women who report a history of sexual contact with a person of the opposite sex who is known to have an HIV infection or at high risk for an HIV infection. High risk groups include bisexual men, IDUs and recipients of blood, blood components, transplants of organ or tissue and artificial insemination.

Table 17 – Adult/Adolescent HIV Diagnoses during 2016, Linked to Care, Late Diagnosis, and First CD4 Test Result, by Exposure Category and Sex at Birth, Reported through 6/30/2017

EXPOSURE CATEGORY**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	% of Total with Exposure	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
With Exposure	278	100.0%	84.5%	89.9%	24.1%	90.3%	390
Men who have Sex with Men (MSM)	148	53.2%	83.1%	87.2%	20.9%	87.8%	390
Injection Drug Users (IDU)	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	126	45.3%	85.7%	92.9%	27.8%	92.9%	385
Other Exposure	0	0.0%	--	--	--	--	--
No Reported Exposure*	200		72.0%	78.5%	27.5%	82.5%	352
TOTAL	478		79.3%	85.1%	25.5%	87.0%	372

MALE EXPOSURE CATEGORY**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	% of Total with Exposure	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
With Exposure	191	100.0%	84.3%	89.0%	23.6%	90.1%	388
Men who have Sex with Men (MSM)	148	77.5%	83.1%	87.2%	20.9%	87.8%	390
Injection Drug Users (IDU)	***	***	***	***	***	***	***
Men who have Sex with Men and Inject Drugs (MSM/IDU)	***	***	***	***	***	***	***
Heterosexual Exposure (HET)	39	20.4%	87.2%	94.9%	33.3%	97.4%	357
Other Exposure	0	0.0%	--	--	--	--	--
No Reported Exposure	131		77.1%	80.9%	25.2%	85.5%	355
TOTAL	322		81.4%	85.7%	24.2%	88.2%	374

FEMALE EXPOSURE CATEGORY**	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES						
	No.	% of Total with Exposure	Linked to Care		Late HIV Diagnoses	First CD4 Test Result	
			% 1 mo.	% 3 mo.	%	%	Median Count
With Exposure	87	100.0%	85.1%	92.0%	25.3%	90.8%	438
Injection Drug Users (IDU)	0	0.0%	--	--	--	--	--
Heterosexual Exposure (HET)	87	100.0%	85.1%	92.0%	25.3%	90.8%	438
Other Exposure	0	0.0%	--	--	--	--	--
No Reported Exposure*	69		62.3%	73.9%	31.9%	76.8%	335
TOTAL	156		75.0%	84.0%	28.2%	84.6%	361

* Includes 4 new HIV diagnoses with Presumed Female Heterosexual exposure

** 2016 reported HIV exposure data are preliminary.

*** Data withheld due to low population and/or case counts

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

First CD4 Test Result Percent: Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Table 18 – Adult/Adolescent Living HIV Cases Alive on 12/31/2016, by Exposure Category and Sex at Birth, Reported through 6/30/2017

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES		
	No.	% of Total with Exposure	% Living with AIDS
With Exposure	8,276	100.0%	54.2%
Men who have Sex with Men (MSM)	3,943	47.6%	47.2%
Injection Drug Users (IDU)	460	5.6%	78.0%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	168	2.0%	70.8%
Heterosexual Exposure (HET)	3,687	44.6%	57.9%
Other Exposures	18	0.2%	61.1%
No Reported Exposure*	2,443		38.6%
TOTAL	10,719		50.7%

MALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES		
	No.	% of Total with Exposure	% Living with AIDS
With Exposure	5,671	100.0%	53.0%
Men who have Sex with Men (MSM)	3,943	69.5%	47.2%
Injection Drug Users (IDU)	273	4.8%	76.6%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	168	3.0%	70.8%
Heterosexual Exposure (HET)	1,280	22.6%	63.3%
Other Exposures	7	0.1%	42.9%
No Reported Exposure	1,415		37.5%
TOTAL	7,086		49.9%

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES		
	No.	% of Total with Exposure	% Living with AIDS
With Exposure	2,605	100.0%	57.0%
Injection Drug Users (IDU)	187	7.2%	80.2%
Heterosexual Exposure (HET)	2,407	92.4%	55.1%
Other Exposures	11	0.4%	72.7%
No Reported Exposure*	1,028		40.2%
TOTAL	3,633		52.2%

* Includes 43 living HIV cases with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Living with AIDS: The percent of reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 19 – Adult/Adolescent Total Living HIV Cases by Exposure Category, Race/Ethnicity, and Sex at Birth, Alive on 12/31/2016 and Reported through 6/30/2017

Exposure Category	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	874	100.0%	6,254	100.0%	645	100.0%
Men who have Sex with Men (MSM)	460	52.6%	2,670	42.7%	506	78.4%
Injection Drug Users (IDU)	36	4.1%	364	5.8%	28	4.3%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	20	2.3%	112	1.8%	26	4.0%
Heterosexual Exposure (HET)	357	40.8%	3,094	49.5%	83	12.9%
Other Exposures	1	0.1%	14	0.2%	2	0.3%
No Reported Exposure*	143		1,979		207	
TOTAL	1,017		8,233		852	

Male Exposure Category	Adult/Adolescent Total Living HIV Cases					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	684	100.0%	4,001	100.0%	589	100.0%
Men who have Sex with Men (MSM)	460	67.3%	2,670	66.7%	506	85.9%
Injection Drug Users (IDU)	26	3.8%	207	5.2%	22	3.7%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	20	2.9%	112	2.8%	26	4.4%
Heterosexual Exposure (HET)	177	25.9%	1,008	25.2%	34	5.8%
Other Exposures	1	0.1%	4	0.1%	1	0.2%
No Reported Exposure	95		1,095		149	
TOTAL	779		5,096		738	

FEMALE EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES					
	Race/Ethnicity					
	Hispanic		Non-Hispanic, Black, only		Non-Hispanic, White, only	
	No.	% of Total with Exposure	No.	% of Total with Exposure	No.	% of Total with Exposure
With Exposure	190	100.0%	2,253	100.0%	56	100.0%
Injection Drug Users (IDU)	10	5.3%	157	7.0%	6	10.7%
Heterosexual Exposure (HET)	180	94.7%	2,086	92.6%	49	87.5%
Other Exposures	0	0.0%	10	0.4%	1	1.8%
No Reported Exposure*	48		884		58	
TOTAL	238		3,137		114	

* Includes 3 Hispanic cases, 37 non-Hispanic black cases, and 1 non-Hispanic white case with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 20 – CD4 Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Exposure Category, Reported through 6/30/2017

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES							
	No.	Recent CD4 Test Results						
		No. with Test	% with Test	Median Count	<200	200-349	350-499	500+
With Exposure	8,276	5,841	70.6%	552	9.7%	13.5%	20.2%	56.6%
Men who have Sex with Men (MSM)	3,943	2,735	69.4%	560	8.4%	13.2%	19.9%	58.5%
Injection Drug Users (IDU)	460	310	67.4%	478	12.9%	17.1%	22.6%	47.4%
Men who have Sex with Men and Inject Drugs (MSM/IDU)	168	105	62.5%	525	10.5%	13.3%	21.9%	54.3%
Heterosexual Exposure (HET)	3,687	2,679	72.7%	551	10.5%	13.4%	20.2%	56.0%
Other Exposures	18	12	66.7%	430	33.3%	8.3%	16.7%	41.7%
No Reported Exposure*	2,443	1,461	59.8%	559	10.9%	15.3%	16.3%	57.5%
TOTAL	10,719	7,302	68.1%	554	9.9%	13.9%	19.4%	56.8%

* Includes 43 cases with Presumed Female Heterosexual exposure

Table 21 – Viral Load Test Results during 2016 for Adult/Adolescent HIV Cases Alive on 12/31/2016, by Exposure Category, Reported through 6/30/2017

EXPOSURE CATEGORY	ADULT/ADOLESCENT TOTAL LIVING HIV CASES				
	No.	Recent Viral Load Test Results			
		No. with Test	% with Test	% Suppressed	Median Count
With Exposure	8,276	5,844	70.6%	84.6%	10,715
Men who have Sex with Men (MSM)	3,943	2,720	69.0%	84.5%	11,070
Injection Drug Users (IDU)	460	309	67.2%	83.2%	19,596
Men who have Sex with Men and Inject Drugs (MSM/IDU)	168	106	63.1%	82.1%	6,539
Heterosexual Exposure (HET)	3,687	2,698	73.2%	85.1%	9,942
Other Exposures	18	11	61.1%	63.6%	4,685
No Reported Exposure*	2,443	1,467	60.0%	80.6%	12,510
TOTAL	10,719	7,311	68.2%	83.8%	11,194

* Includes 43 cases with Presumed Female Heterosexual exposure

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

CD4 With Test: Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

Median Count: Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of adult/adolescent living HIV cases with a recent CD4 test result distributed by the CD4 count results (cells per microliter).

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Viral Load With Test: Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.

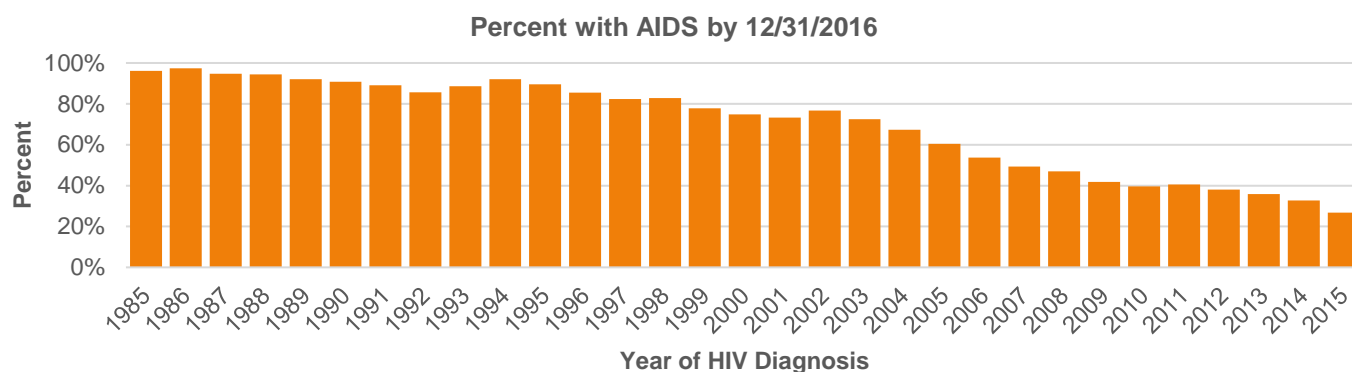
Percent Suppressed: Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among adult/adolescent total living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Section IX – Disease Progression and Mortality

Figure 11 – Trends in Disease Progression by Year of HIV Diagnosis, 1985-2015, Reported through 6/30/2017

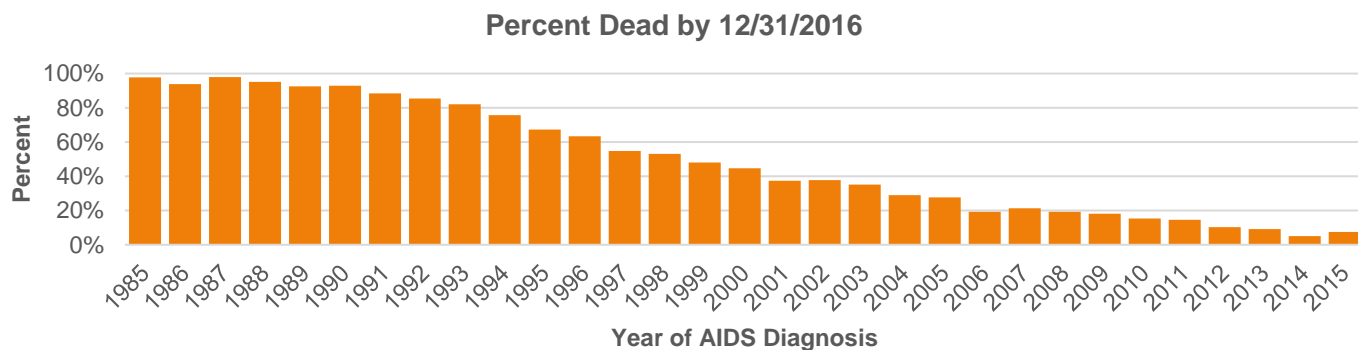
Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with or without an AIDS Diagnosis by 12/31/2015 (Adult/Adolescent Reported HIV Diagnoses), Number of Adult/Adolescent Reported HIV Cases with an AIDS Diagnosis by 12/31/2016 (Reported AIDS Diagnoses), Percent by Year of HIV Diagnosis of Adult/Adolescent Reported HIV Diagnoses with a Reported AIDS Diagnosis by 12/31/2016, the Average Years from HIV Diagnosis to AIDS Diagnosis for Cases with an AIDS Diagnosis, and the Percent by Year of HIV Diagnosis of Reported Adult/Adolescent HIV Diagnoses with a Reported AIDS Diagnosis at 1 Year, 2 Years, 5 Years, and 10 Years after HIV Diagnosis, by Year of HIV Diagnosis from 1985 through 2015, as Reported by Name through 6/30/2017



YEAR OF HIV DIAGNOSIS	ADULT/ADOLESCENT REPORTED HIV DIAGNOSES							
	No.	Reported AIDS Diagnoses			Percent with AIDS by Years After HIV Diagnosis			
		No.	% with AIDS	Mean Years from HIV to AIDS	1 Year	2 Years	5 Years	10 Years
<1985	102	96	94.1%	7.2	45.1%	45.1%	49.0%	61.8%
1985	204	196	96.1%	5.7	43.1%	44.6%	49.0%	74.5%
1986	267	260	97.4%	4.7	43.8%	44.9%	55.1%	86.5%
1987	364	345	94.8%	3.6	49.5%	50.5%	65.4%	86.5%
1988	409	386	94.4%	3.2	49.4%	53.3%	72.9%	88.0%
1989	493	454	92.1%	2.9	49.5%	52.3%	72.8%	86.4%
1990	500	454	90.8%	2.8	49.6%	56.8%	75.0%	86.0%
1991	580	517	89.1%	2.4	51.4%	59.3%	76.9%	84.1%
1992	511	438	85.7%	2.9	48.5%	55.2%	69.9%	78.1%
1993	425	377	88.7%	2.2	58.4%	64.7%	75.5%	83.8%
1994	410	377	92.0%	1.9	66.8%	72.4%	79.3%	87.6%
1995	421	377	89.5%	1.7	66.5%	72.2%	77.2%	85.5%
1996	393	336	85.5%	1.9	61.6%	64.1%	73.5%	81.4%
1997	421	347	82.4%	1.9	61.3%	64.8%	71.0%	78.6%
1998	396	328	82.8%	1.9	59.6%	63.4%	70.5%	79.0%
1999	441	343	77.8%	1.5	60.5%	63.9%	68.3%	74.4%
2000	455	341	74.9%	1.7	56.5%	59.1%	65.3%	71.4%
2001	456	334	73.2%	1.6	54.6%	56.8%	65.6%	70.2%
2002	490	376	76.7%	1.1	62.7%	66.3%	71.4%	74.1%
2003	563	408	72.5%	1.2	58.6%	60.6%	65.7%	70.9%
2004	615	414	67.3%	1.3	54.0%	56.4%	59.3%	65.9%
2005	631	382	60.5%	1.0	50.2%	52.6%	56.3%	60.1%
2006	680	365	53.7%	1.3	41.0%	43.7%	48.5%	53.1%
2007	824	406	49.3%	1.5	36.2%	37.5%	43.1%	--
2008	755	355	47.0%	1.2	35.1%	37.7%	43.4%	--
2009	674	282	41.8%	1.3	31.6%	33.2%	37.8%	--
2010	680	269	39.6%	0.9	30.0%	32.8%	37.4%	--
2011	607	246	40.5%	0.8	32.0%	35.1%	39.2%	--
2012	560	213	38.0%	0.6	32.1%	34.5%	--	--
2013	574	206	35.9%	0.4	32.6%	34.7%	--	--
2014	560	183	32.7%	0.4	27.7%	30.2%	--	--
2015	559	150	26.8%	0.2	25.4%	--	--	--
TOTAL	16,020	10,561	65.9%	2.0	46.1%	49.3%	56.5%	63.0%

Figure 12 – Trends in Survival Times by Year of AIDS Diagnosis, 1985-2015, Reported through 6/30/2017

Number of Adult/Adolescent Reported HIV Cases, Age 13+ at HIV Diagnosis, with an AIDS Diagnosis by 12/31/15 (Adult/Adolescent Reported AIDS Diagnoses), Number of Adult/Adolescent Reported AIDS Diagnosis Reported to Have Died of Any Cause by 12/31/2016 (Reported AIDS Deaths), Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses with a Reported AIDS Death (Percent Dead) by 12/31/2016, the Average Years from AIDS Diagnosis to Death for Cases that have Died, and the Percent by Year of AIDS Diagnosis of Adult/Adolescent Reported AIDS Diagnoses Not Reported to Have Died (Percent Alive) at 1 Year, 2 Years, 5 Years, and 10 Years after AIDS Diagnosis, by Year of AIDS Diagnosis from 1985 through 2015, as Reported by Name through 6/30/2017



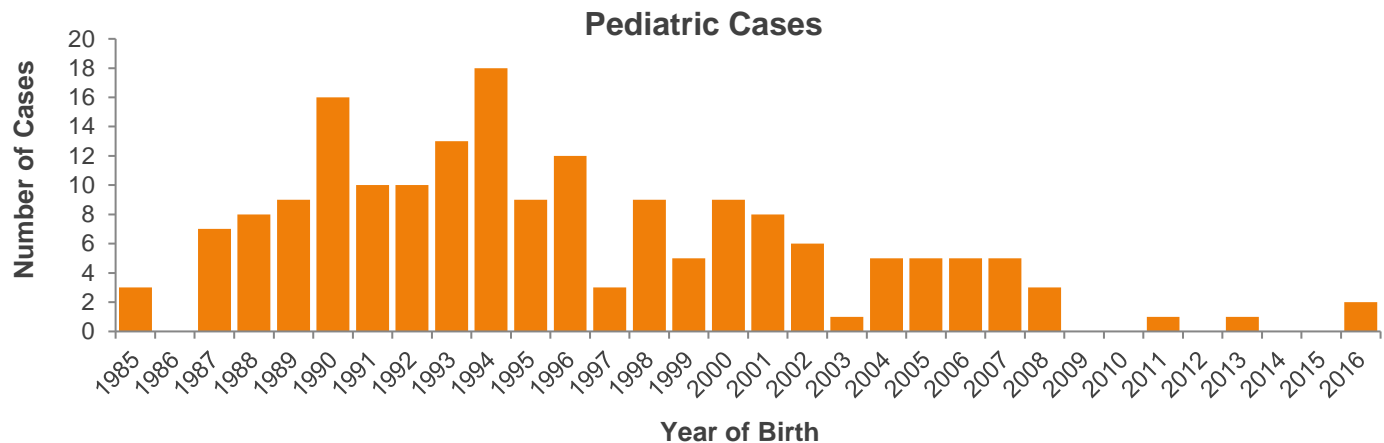
YEAR OF AIDS DIAGNOSIS	ADULT/ADOLESCENT REPORTED AIDS DIAGNOSES							
	No.	Reported AIDS Deaths			Percent Alive by Years After AIDS Diagnosis			
		No.	% Dead	Mean Years from AIDS to Death	1 Year	2 Years	5 Years	10 Years
<1985	53	53	100.0%	0.9	32.1%	5.7%	1.9%	0.0%
1985	86	84	97.7%	1.4	39.5%	15.1%	11.6%	3.5%
1986	115	108	93.9%	1.9	51.3%	32.2%	12.2%	8.7%
1987	187	183	97.9%	2.0	51.9%	29.4%	10.7%	5.9%
1988	205	195	95.1%	1.9	62.4%	36.6%	13.2%	6.8%
1989	266	246	92.5%	2.9	68.4%	50.8%	21.4%	12.8%
1990	292	271	92.8%	2.8	64.7%	47.9%	21.2%	13.0%
1991	361	319	88.4%	2.4	67.3%	51.5%	19.4%	14.7%
1992	439	375	85.4%	3.0	73.8%	52.6%	25.7%	20.7%
1993	459	377	82.1%	3.4	72.3%	56.9%	33.8%	25.9%
1994	503	381	75.7%	3.2	74.8%	55.5%	40.4%	30.4%
1995	488	328	67.2%	4.3	74.2%	64.8%	54.3%	43.0%
1996	413	262	63.4%	5.1	80.6%	74.6%	63.7%	48.7%
1997	358	196	54.7%	4.4	80.7%	75.1%	63.4%	53.6%
1998	321	170	53.0%	4.8	85.0%	81.3%	69.8%	54.8%
1999	345	166	48.1%	4.2	84.3%	78.6%	69.0%	57.7%
2000	352	157	44.6%	5.9	91.5%	89.2%	78.4%	64.5%
2001	346	129	37.3%	4.0	87.3%	83.8%	75.7%	67.3%
2002	374	141	37.7%	4.0	87.2%	84.5%	75.1%	67.6%
2003	420	148	35.2%	3.5	88.1%	82.9%	75.5%	67.9%
2004	418	121	28.9%	4.0	90.0%	87.1%	81.6%	74.6%
2005	442	122	27.6%	3.1	88.7%	86.7%	79.6%	73.8%
2006	398	77	19.3%	3.6	93.7%	91.2%	87.2%	80.7%
2007	389	83	21.3%	2.6	90.5%	87.7%	83.8%	--
2008	336	65	19.3%	2.0	90.2%	87.5%	83.3%	--
2009	285	52	18.2%	1.7	90.5%	88.4%	83.2%	--
2010	338	52	15.4%	1.9	93.2%	90.5%	86.7%	--
2011	276	40	14.5%	2.0	93.8%	90.9%	86.6%	--
2012	324	33	10.2%	0.9	92.9%	91.0%	--	--
2013	325	30	9.2%	0.8	94.2%	92.3%	--	--
2014	275	14	5.1%	0.8	96.7%	95.3%	--	--
2015*	243	18	7.4%	0.4	93.4%	--	--	--
TOTAL	10,432	4,996	47.9%	3.3	82.2%	74.2%	63.0%	56.2%

*2015 AIDS deaths are preliminary.

Section X – Pediatric Cases

Figure 13 – Trends in Pediatric HIV Cases, 1985-2016, Reported through 6/30/2017

Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis (Pediatric Reported HIV Diagnoses) by Year of Birth, by Year of HIV Diagnosis, by Year of AIDS Diagnosis, and by Year of Death Due to Any Cause, and Number of Pediatric Reported HIV Cases, Age <13 at HIV Diagnosis, with or without an AIDS Diagnosis and Not Reported to have Died as of December 31st of Each Year (Pediatric Total Living HIV Cases) from 1985 through 2016, as Reported by Name through 6/30/2017



YEAR OF HIV DIAGNOSIS	PEDIATRIC REPORTED HIV DIAGNOSES				PEDIATRIC TOTAL LIVING HIV CASES
	No. by Year of Birth	No. by Year of HIV Diagnosis	No. by Year of AIDS Diagnosis	No. by Year of Death	No. Alive on 12/31 of Each Year
<1985	17	1	0	0	--
1985	3	4	2	1	5
1986	0	5	0	0	10
1987	7	6	4	0	16
1988	8	3	3	2	18
1989	9	6	5	2	22
1990	16	10	5	4	28
1991	10	11	8	3	36
1992	10	12	6	2	45
1993	13	8	8	4	49
1994	18	8	4	1	56
1995	9	9	8	5	59
1996	12	11	9	2	68
1997	3	4	5	0	72
1998	9	4	0	3	73
1999	5	13	6	0	85
2000	9	6	3	1	90
2001	8	5	3	2	92
2002	6	10	3	0	102
2003	1	2	1	4	100
2004	5	4	2	2	102
2005	5	8	3	2	108
2006	5	12	3	1	119
2007	5	18	2	1	136
2008	3	4	2	0	141
2009	0	3	0	0	144
2010	0	1	2	1	145
2011	1	3	2	0	148
2012	0	1	0	0	150
2013	1	2	1	0	151
2014	0	3	2	0	154
2015	0	0	8	0	152
2016	2	3	1	0	156
TOTAL	200	200	111	43	--

Table 22 – Pediatric HIV Total Living HIV Cases, Diagnosed in Maryland, Alive on 12/31/2016, by Jurisdiction, Reported through 6/30/2017

JURISDICTION OF RESIDENCE AT DIAGNOSIS	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Montgomery	46	29.5%
Prince George's	110	70.5%
TOTAL	156	100.0%

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Table 23 – Pediatric Total Living HIV Cases, Diagnosed in Maryland, by Sex at Birth and Race/Ethnicity, Alive on 12/31/2016 and Reported through 6/30/2017

SEX AT BIRTH	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Male	80	51.3%
Female	76	48.7%
TOTAL	156	100.0%

RACE/ETHNICITY	PEDIATRIC TOTAL LIVING HIV CASES	
	No.	% of Total
Hispanic	9	5.8%
Non-Hispanic	147	94.2%
American Indian/ Alaska Native, only	0	0.0%
Asian, only	0	0.0%
Black, only	130	83.3%
Native Hawaiian/Other Pacific Islander, only	0	0.0%
White, only	10	6.4%
Multiracial/Other	7	4.5%
TOTAL	156	100.0%

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Glossary of Terms

Adult/Adolescent Living HIV Cases with AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Living HIV Cases without AIDS: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Adult/Adolescent Reported AIDS Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial AIDS diagnosis during the specified year.

Adult/Adolescent Reported HIV Diagnoses: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with an initial HIV diagnosis during the specified year.

Adult/Adolescent Total Living HIV Cases: Reported HIV diagnoses, age 13 years or older at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Age at AIDS Diagnosis: Age group at time of initial AIDS diagnosis.

Age at HIV Diagnosis: Age group at time of initial HIV diagnosis.

Age on [date]: Age group of living cases on the specified date.

AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis that have died due to any cause.

CD4 Result Distribution (<200, 200-349, 350-499, 500+): Percent of cases with a CD4 test distributed by their CD4 count results (cells per microliter).

CD4 With Test: Number and percent of adult/adolescent total living HIV cases with a recent CD4 test result.

Corrections: Residence in a state or federal prison. Does not include local jails and detention centers.

Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

First CD4 Test Result Median Count: Median CD4 count (cells per microliter) of the first CD4 test result reported within 12 months following initial HIV diagnosis.

First CD4 Test Result Percent: Percent of adult/adolescent reported HIV diagnoses with the first CD4 test result reported within 12 months following the initial HIV diagnosis.

Jurisdiction of Current Residence: Jurisdiction of residence from the most recent report since 1/1/2009.

Jurisdiction of Residence: Jurisdiction of residence at diagnosis or current residence.

Jurisdiction of Residence at AIDS Diagnosis: Jurisdiction of residence at time of initial AIDS diagnosis.

Jurisdiction of Residence at Diagnosis: Jurisdiction of residence at the later time of initial HIV diagnosis or time of initial AIDS diagnosis.

Jurisdiction of Residence at HIV Diagnosis: Jurisdiction of residence at time of initial HIV diagnosis.

Late HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses with an initial AIDS diagnosis less than or equal to 12 months after their initial HIV diagnosis.

Linked to Care: Percent of adult/adolescent reported HIV diagnoses with a reported CD4 or viral load test performed less than or equal to 1 month or 3 months after their initial HIV diagnosis.

Living HIV Cases with AIDS: Reported HIV diagnoses with an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Living HIV Cases without AIDS: Reported HIV diagnoses without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Mean Years from HIV Diagnosis: Mean or average number of years from initial HIV diagnosis to initial AIDS diagnosis for cases with a reported AIDS diagnosis.

Mean Years from AIDS diagnosis to AIDS Death: Mean or average number of years from initial AIDS diagnosis to death for adult/adolescent reported AIDS diagnoses with a reported death.

Median Count: Median CD4 count (cells per microliter), among adult/adolescent total living HIV cases, of the most recent CD4 test result measured in the specified year.

Median Unsuppressed: Median unsuppressed viral load (copies per milliliter) among adult/adolescent living HIV cases with the most recent viral load test result measured in the specified year of 200 copies per milliliter or greater.

Pediatric Total Living HIV Cases: Reported HIV diagnosis, age less than 13 years at HIV diagnosis, with or without an AIDS diagnosis, and not reported to have died as of December 31st of the specified year.

Percent Change: The percent change in number of adult/adolescent total living HIV cases from residence at diagnosis to current residence.

Percent Alive by Years after AIDS Diagnosis: Percent of adult/adolescent reported AIDS diagnoses not reported to have died at 1 year, 2 years, 5 years and 10 years after initial AIDS diagnosis, by year of AIDS diagnosis.

Percent Late HIV Diagnosis: Percent of adult/adolescent reported AIDS diagnoses with an initial HIV diagnosis less than or equal to 12 months prior to their initial AIDS diagnosis.

Percent Suppressed: Percent of adult/adolescent total living HIV cases with a recent viral load test result measured in the specified year of less than 200 copies per milliliter.

Percent with AIDS: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis by 12/31/2016.

Percent with AIDS by Years after HIV Diagnosis: Percent of adult/adolescent reported HIV diagnoses in the specified year with an initial AIDS diagnosis at 1 year, 2 years, 5 years and 10 years after HIV diagnosis.

Population: Population estimate for 7/1/2016.

Population Age 13+: Population age 13 years or older, estimate for 7/1/2016.

Rate: Number of HIV cases divided by the population multiplied by 100,000.

Ratio (1 in X): Number of people for every 1 living HIV case in the population, or 1 living HIV case in every X number of people.

Recent CD4 Test Result: The most recent CD4 test result measured in the specified year.

Recent Viral Load Test Result: The most recent viral load test result measured in the specified year.

Reported AIDS Deaths: Reported HIV diagnoses with an AIDS diagnosis, reported to have died of any cause during the specified year.

Reported AIDS Diagnoses: Reported HIV diagnoses with an initial AIDS diagnosis during the specified year.

Reported HIV Diagnoses: Reported HIV diagnoses with an initial HIV diagnosis during the specified year.

Residence at Diagnosis: Jurisdiction of residence at later time of initial HIV diagnosis or initial AIDS diagnosis.

Retained in HIV Care: HIV Diagnosed with a CD4 test result performed in the specified year.

Suppressed Viral Load: HIV Diagnosed with the most recent viral load measured in the specified year of less than 200 copies per milliliter.

Total Living HIV Cases: Reported HIV diagnoses with or without an AIDS diagnosis and not reported to have died as of December 31st of the specified year.

Viral Load With Test: Number and percent of adult/adolescent total living HIV cases with a recent viral load test result.